

FRS GOES DX

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Volume 13  *issue 137*  *September/October 1995*



The Tiri 1 aground on Great Barrier Island

**RADIO HAURAKI★RADIO EUROPE INT.★
15TH BIRTHDAY FRSH★SATELLITE RADIO**



COLOPHON

FRS GOES DX is a bimonthly magazine which informs about radio in general and **free radio** in particular. It's a publication of FRS-Holland.

SUBSCRIPTIONS

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ADVERTISING

Small ads which are not commercial are free of charge for members. Small commercial adverts cost DM 5.00/- / £ 2.00/- / \$5.- / \$ 3.00. For full or half-page adverts contact the editor.

MAILING ADDRESS

All correspondence should be sent to P.O. Box 2727, 6049 ZG HERTEN in the Netherlands. **Do not use the address which is on the cover!**

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Deadline: Wed December 13th

EDITORIAL

Welcome in edition number 5 of 1995. Once again we have succeeded in collecting all the news, facts and rumours. In addition there are a number of interesting features about satellite radio, Radio Hauraki & Radio Europe Int. flashing back to the **SW** Free Radio world of the mid 1970s! Thanks to Ian for his first FRSGDX contribution. I hope many will follow...

The final 1995 edition will come out **within 6 weeks** cause otherwise the mag would be published in 1996!!

It has been a very hectic period for me... first all the preparations for the 15th birthday shows, Then the broadcast itself, a fantastic experience!! We did all ourselves, no relay but a pure, 100% FRS-Holland affair. A great day, Sunday October 15th.

Right after the broadcast the magazine had to be compiled/completed and now all the mail has to be handled/answered. In the mean time preparations of the 1995 Christmas have already started..... Busy?? Come on, you must be kidding.

October saw Radio Caroline broadcasting on FM from a location in London. From what we've heard it was a successful 28 RSL and we will be looking back to that in FRSGDX 138. Talking about Caroline: it's really bizarre that such a legendary station which did so much for British radio is still not broadcasting permanently from their radioship Ross Revenge. A permanent licence is the least Caroline deserves....

Shortwave enthusiasts will be pleased that conditions have improved a bit. During a number of Sundays conditions were real worth tuning in on shortwave. The October-December period has always been an exciting period because of better conditions and more activities. In particular the Festive Season is a period in which many stations fire up their transmitters. Sunday December 24th, Christmas Day the 25th, Boxing day the 26th and not to forget December 31st. Make sure you are able to tune during these days because many stations will on, some with live programming and phone-ins. Any station OP who is reading this editorial and who'll be on over the X-Mas period, is hereby invited to send us his programme schedule etc.

FRS-Holland will ring the old year with a broadcast taking place Sunday December 15th. For more info about that broadcast check the flyer which is emnclosed in this issue. And PARTICIPATE... See you in December,

73's Peter V.

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FRS NEWSCORNER

ISSUE 137/138

In the editorial Peter Verbruggen already mentioned some of the subjects in this issue. The promised Radio Titanic Int. featute didn't reach our newsdesk in time. I guess we cannot blame station OP Mark Brown for that. He promised the feature will arrive in time to be included in FRSGDX 138. For a couple of months you have been missing Artiom's contributions. To be honest: we haven't heard from him for quite some time. Perhaps there is a lack of news from Russia. It would be nice Artiom if you could contact us in one of the upcoming weeks. Because of the lengthy Satellite feature, we decided to include the Satellite Radio Programme Guide in December along with a listing of all radio stations being active on the various satellites such as Astra, Eutelsat, Intelsat etc.

Hans Knot went to the UK in October and returned to Holland with lots of stories, news, photos etc. Therefore issue 138 will be packed with UK news including Caroline's October London FM RSL. He will also send us some photos as well. In the December 24th Christmas FRS Goes DX show Peter Verbruggen will play extracts from Caroline including bits and pieces of the final show presented by Johnny Reece. That programme will also include a number of unique jingles...listen out for that!!

During our 15th birthday broadcast we featured a number of info-blocks calling them *FRS Fact Files*. A great variety of subjects regarding FRS-Holland's history were handled in those fact files. For those who didn't have the opportunity to tune in, we have decided to include these sometimes thrilling but also funny stories next edition. Finally: in edition 138 a long edition of *Mailbox 2727*. Gerd will com all the October mail. Gerd has been reading and selecting the most interesting parts of the letters we received. Edition 138 will be out before Christmas. In case you receive it before the 25th: read it under your Christmas tree...

FRS-HOLLAND NEWS

October 15th Birthday Broadcast

In one of the FRS Fact Files (see above) the FRS Story is described as an exciting boy's book. So was Sunday October 15th 1995. Preparations for the broadcast started late August. Perhaps some of you

might like to know how we manage to organize things. It starts with Peter Verbruggen and Joop ter Zee having a talk & and discussing the contents of the programmes. For instance: Peter came up with the idea of the Fact Files and talked about it with Joop who on his turn was responsible for the listener's competition (a difficult one!). At the moment the programme schedule is ready and we are satisfied about the contents, Peter works up the notes in his computer. The information is sent to the FRS jocks abroad. Some two weeks before the actual broadcast the tapes of Tony and Stefan arrive and Peter records all shows including his and JtZ ones on the master tapes. Peter always records his shows just before the broadcast. That enables him to include certain info in his show which wasn't available at the moment the others recorded their programmes. For instance: there was talk of a second frequency in October: at the moment Peter recorded his shows he knew that FRS would only go out on just one frequency.

Most important was to secure a suitable, safe location from which the pxs could be aired. This year we were lucky to have a very good friend who arranged something for us. That made things a lot easier because we could fully concentrate on the programming side of the "business".

Most unlucky person this time was Bobby Speed. He worked very hard to prepare the transmitting equipment for the 15th October broadcast. But some two weeks before the broadcast a transmitter broke down! And to make things even worse: one of our modulators also broke down.... The problems were so serious that Bobby simply was not able to repair the rig and modulator in time. And that's the main reason we could only broadcast on 48 metres. Other wise 7420 would have been running in parallel.

At the day of the broadcast Peter & Bobby drove to the location already before 07.00 in the morning. Some 2½ hours later FRS-Holland was testing on 6285. At exactly 08.52 UTC "Peace" from Peter was been radiated across Europe. FRS' 15th birthday broadcast had started. The following programme-schedule was to be heard that day:

- 08.52 Station-opening: Ids & theme tune
- 09.02 Breakfast Birthday Show-Peter V.
- 10.00 Stefan Kramer's German Show
- 11.15 FRS Goes DX- Peter Verbruggen
- 12.00 Joop ter Zee's Birthday Special
- 13.15 Tony Mitchell's party Close

14.30 Close down.

It appeared that the close down was at 14.45 UTC. FRS-Holland's broadcast lasted almost 6 hours!! Pxs contained of course the music of the 1980-1995 FRS ear, a listener's competition & FRS Fact Files. Also many old jingles were played in the shows. The listener's competition was quite difficult, in the final 1995 edition you will be read about the solution and winners. A special QSL-card is waiting for those who have been sending in a correct reception report. In the upcoming weeks letters will be replied and before mid December all listeners should have a reply and a few other goodies. The QSL-card will be printed next month.

What about reception? In most parts of Central/Western Europe reception was very good. Conditions that Sunday certainly helped us! There are two things to mention we are not so happy about: in large parts of Great Britain we experienced serious interference from Radio Orion. That happened between 09.47-11.48 UTC. As at the time Orion came on, FRS' pxs were already running for almost an hour, we cannot understand why they didn't check the band before coming on air?? We are sure we were easily to be received in the UK at the time Orion switched on its tx. Later on Orion moved to 6275. Another thing which went wrong was the fact that we caused *images* on a few frequencies. Most serious and strong one was on 6260 even to be received in Scotland. As we exactly know what went wrong, this won't happen again in future and we like to apologize if we caused any trouble to colleague stations on 48. The oscillator section of the tx we needed some *fine tuning* which we didn't do. The final stage of the tx was tuned properly, the tx output was 120W (carrier power; peaking at 200W with modulation). So we thought all was ok. On the little portable, it sounded fine and we didn't suspect anything was wrong. It often happens you're on more than one frequency when the monitoring radio is close to the tx. A few calls at just after 09.00 were made but we nothing was told us about us being on more than one frequency.... In the mean time some 60 letters have been received. Next issue more about that! A number of reports have been received via the Internet. More Internet info in December. **And finally a wish:** would it be fantastic if many of you would join our X-Mas Party? It's only a matter of 10 min., an envelope & a stamp!! Cheers!

SOUNDS FROM OFFSHORE

RADIO CAROLINE

Following a successful RSL on AM 1503 off Clacton-on-sea in the period August 8th- September 4th, the Caroline ship was towed to London. Something we didn't mention in FRSGDX 136 was the fact that Johnny Walker, Caroline 60s veteran Tom Lodge and Tommy Rivers presented a mutual show on Caroline August 14th celebrating the 28th anniversary of the British MOA. Sat September 2nd a big party was organized to thank the Caroline crew for their hard work during the August/early Sept. RSL. Clacton's local businessmen were very satisfied with the results of their commercials on Radio Caroline during the 28 days of broadcasts. Back to London: the Ross Revenge was towed to England's capital because October 6th saw the beginning of a new RSL this time on FM. There has been enough interest in advertising on Caroline during the 4 week RSL period. Several big names, including Sony, A&M records and Vauxhall have been mentioned. Not to

wonder: especially in the UK the name Caroline still has some kind of reputation. Exact mooring of the Ross is the West Indian Docks in the London Docklands, East London. The original plan was to moor the Ross in the St. Katherine's Dock, a rural port near the London Tower Bridge. As this port was too small, Caroline had to divert. According to Peter Moore this would become the definitive mooring of the ship serving as Caroline office and museum. Other rumours (what is Caroline *without* rumours??) include the story that the Ross Revenge will be moved to a drydock in Ipswich following the October RSL. There also is talk of even more RSLs from different harbours in the UK. Interesting is the news Caroline is willing to opt for a definitive licence.

As far as our infos are correct Caroline has been broadcasting on **87.7 MHz FM** with a power of 25W. The tx was based in Northern London and this time Caroline was unable to increase power.... Nevertheless reports suggest reception was fine! Programme controller this time was Johnny Reece who was not involved with the Clacton RSL. He did the final hours early November.

A much more *detailed report* regarding Caroline's London RSL in the final 1995 edition in December. The info we received came just to late to be included in this issue. Next edition also *photos* taken by

Hans Knot who was on the ship during the London FM broadcasts and who even presented a 90 minute show himself. At the moment this column is put together, Caroline has closed down. The final hours were taking place Thursday November 2nd. At 00.00 hours Caroline left the London airwaves.

CAROLINE ON INTERNET

If you would like to keep yourself in the picture regarding Radio Caroline, the Internet can help. Provided you have a PC, a modem and you are connected to the Internet. This address is interesting: <http://metro.turnpike.net/A/anorak>. Although this one has no connection at all with Caroline, it's worth while mentioning it: alt.radio.pirate, an interesting news-group.

TESUG TV, PLAYING
RADIO CAROLINE.

SEE YOU HERE TOMORROW!

FAX +44 1326 221438
UK 01326 221438

TESUG

Saturday/Sunday October 21st/22nd satellite enthusiasts could watch the European Satellite Festival on the 11.638 Ghz/H transponder of the Eutelsat II-F3 satellite. The European Satellite User Group- **TESUG**- organised the festival which was coming from Heerhugowaard in the Netherlands. W won't go into detail about the *programme output* but can tell you that there were a number of very interesting radio videos to be seen! Pictures of Radio Caroline, a Tour de Communicator and last but not least a Veronica film from the 1970s shot by Freek Simon who was one of the station's newsreaders. Unique pictures

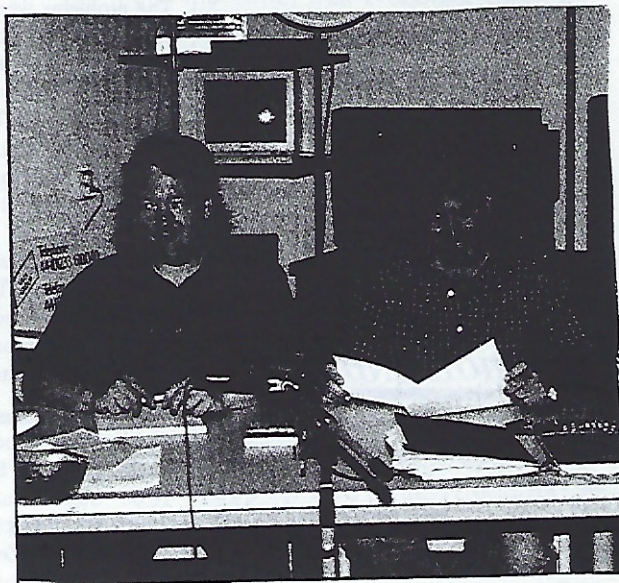
show the Norderney on the Scheveningen beach April 1973, also pictures of the Mi Amigo which was used by Veronica during the period the ship was on the beach and the station couldn't transmit itself.

NEW OFFSHORE CD

"Offshore jingles" is the title of an album which first came out in 1979. The album was compiled by Holland's number one jingle expert, Jelle Boonstra. September 1st the CD version came out. The album lasts 45 minutes, the CD version however contains a number of *bonus* tracks including many Radio London, caroline & Veronica jingles, not the well-known but instead many less known ones which is very interesting for any offshore radio freak. Also on the CD a number of Radio Paradise jingles which have never been broadcasted. This 66 minute CD costs just 25 guilders incl. P&P. Perhaps there will be a little surcharge when ordering the CD from outside Hooland. Call SMC 20-6621141 for your order or to obtain additional info. Ask for Rob Olthof!

MISCELLANEOUS

☐ Former Caroline presenter **Neil Francis** recently started a new Breakfast Show on Invicta FM. Together with Simon Beale a Morning Zoo alike show is being hosted. To make sure he wouldn't oversleep, he controlled his alarm clock a number of times. The clock was set for 5 in the morning.... The show commenced but Neil didn't show up. In the end his colleague



Eric Wilsher(!) presented the TESUG Satellite Festival



didn't show up. In the end his colleague called him live in the middle of the Breakfast Show. What had gone wrong?? Poor Neil set the alarm for 5 in the afternoon

☐ **Roger Day** who once was a popular voice on RNI and Swinging Radio England can be irregularly heard on BBC Radio Kent. Once Day said he would never ever work for a BBC station. *Times are a changin'* according to Bob Dylan...

☐ A number of weeks ago **Keith Skues** presented on BBC Radio Norfolk a Big L top 40 from 30 years ago. August 14th Keith presented an excellent show commemorating Black Monday 1967 (August 14th MOA).

☐ The famous annual Dutch **Offshore Day** will be taking place March 23rd in Haarlem. One of the guests will be Veronica's **Ad Bouman**, the one and only person from the 60s who remained faithful to Veronica after so many years...

☐ Remember **Edward Cole**, former Radio 390 presenter, who wanted so badly to start working for a radio station. In the mean time Edward DID find a job...he has been temporarily presenting a daily show on RSL station Radio Mayflower. However, the RSL is only 28 days. Perhaps Edward is now employed on a permanent basis? We very much hope so!!

☐ Mon September 4th former Radio Noordzee jock **Joost Verhoeven** suddenly died in his house. He was 47 years. He did a very short spell on Radio Caroline in the 70s and worked as a deejay & newsreader on both offshore stations. Recently Joost presented pxs on the local station Radio Beverwijk.

☐ Other sad news...47 year old Veronica presenter **Hans Mondt** died mid September. Hans Mondt joined Veronica in the

mid 60s and became known as the presenter of the very popular "Muziek terwijl U werkt" show, an almost non-stop request show for companies based on oldies. An average of 500,000 listened to the daily Veronica show. Following Veronica's close down Hans Mondt stayed on Veronica and was active for classical shows of Veronica on Radio 4.

☐ The movie "**Blown Away**" is available on video in the UK. On this video you can see how the former Radio New York Int. ship MV Sarah is blown up.

☐ A few months ago **Dave Cash** (former Radio London jock) announced he would be fully concentrating on writing books. As a result he would retire from the radio industry. In the mean time Dave changed his mind and was appointed programme-controller of London cable station **Eclipse FM**.

☐ Time flies...a cliché but at the same time reality. Some 6 weeks ago it was 25 years ago that Radio Northsea for the first time left the Am airwaves under rather suspicious circumstances. "RNI is voluntarily closing down due to the pressure of the Dutch government, to close down the offshore stations. The directors of RNI feel that it would be better for the people of Holland if RNI suspends broadcasting so that the Dutch government would not attempt to close down Radio Veronica, which has been so dearly loved by the people of Holland since 1960. Alan West and Andy Archer will present the final hour. We close down this morning at 11.00". These were the words of Steve Ladd, 25 years ago.

☐ An interesting RSL station commenced broadcasts from Margate Nov. 4th: **Kent Coast Radio**. It's not the first time the sta-

tion is on air, a couple of months ago KCR was already on FM with a 28 day license. KCR broadcasts on 107 MHz FM and well-known former offshore presenters are to be heard on 107: **Bob Le Roi**, **Roger Day**, **Dave Richards** & **Bob Foster**. Also **Mark Stafford**, former OP of UK's famous SW pirate Atlanta Radio is presenting a daily 9-12 pm show. In the December 24th **FRS Goes DX** show extracts of KCR plus many more interesting extracts! By the way: also in **FRS Goes DX** extracts of Caroline's London RSL broadcasts! So make sure you listen....

☐ Recently re-issued on CD **The Who Sell Out**. The new release of the record features over 30 minutes more of additional tracks and further Radio London jingles and commercials linking the songs. Speaking to Record Collector magazine, the Who's John Entwistle recalled that the album was fun to record. "We did most of the commercials in one day. Me and Keith (Moon) went out to a pub, and we thought them up, like Rotosound Strings and Premier Drums. The jingles were added later. I had an idea for a couple of tributes to the pirate radio stations that had just been closed down. We owed a lot to them, because the BBC weren't very good to us at all." The CD "The Who Sell Out" is on Polydor 527 759-2, available from any record store (OEM/FRW).

☐ November marks the 10th anniversary of Laser 558's end on the high seas. It was November 6th when Captain Paternoster decided "Enough is enough" bringing the ship into port after a night of terrible storms. The ship was sailed to Harwich, ten years ago....

GO TELL YOUR FRIENDS.....Sunday Dec. 24th FRS-Holland will rule the 48 mb with *the Spirit of X-Mas*. Make sure your dial is tuned to FRS-H cause Mark Stafford, Joop ter Zee, Peter Verbruggen & Stefan Kramer will entertain you with *great music, info, dedications, greetings, request, a competition* and all *the mail* we received for our 15th birthday. The broadcast will begin at 08.00 or 08.30 UTC. Close down is at 13.00 UTC. And remember: your participation is highly appreciated. Fill in the flyer which is enclosed and return it *as soon as possible* to our mailing address: P.O.Box 2727, 6049 ZG HERTEN in Holland. Sunday December 24th: for the 15th time....is there a better start of your Christmas Holiday Season?

25 Years on Shore

The Auckland (New Zealand) based Radio Hauraki celebrated its 25th year as commercial local station September 26th and none of the listeners is nowadays supposed to know the the station used to earn her living with broadcasts on board of a ship in international waters and so was formerly known as an offshore radio station. During the turmoil seventies this enterprise used two ships to broadcast its programmes from.

The birthyear of Radio Hauraki, named after the colorful bay along the New Zealand coast, was 1966 - spring to be precise. Four young man thought it to be time to break the monopoly position of the state owned NZBC (New Zealand Broadcasting Corporation). Reason was predominantly that they found the programmes of NZBC boring. By bringing commercials they planned to finance the station they wanted to start and thereby making money. A normal thing by itself. But before it really came to making money, a lot of obstacles had to be taken. First of all 55,000 guilders were to be scraped together to buy a suitable ship. When the money was available at last, the consortium founded by the four, bought the only 30 meter long ship Tiri, which had been build in Auckland in 1934. Work to convert the ship to a broadcasting vessel was started immediately after. The money needed for that was low, but their enthusiasm led to the acquisition and installation of a transmitter of only 500 Watt, later to be replaced by a 2 kW 'strong' transmitter, formerly used on a submarine.

The authorities in New Zealand didn't sit still, but tried to come up with the necessary counter actions. Probably they had heard of the overcrowding of the European Westcoast with offshore stations. On 16 September the Tiri was already confiscated because the owners only had a license to use her as a houseboat. The original starting date set to 1 October had become a thing of the past with that. Though the 15 men, working hard at that time to furbish the ship, announced to the press that they were giving up their plans to start an offshore station, work on the Tiri continued in strict

secrecy. On 23 October they were ready to set sail.

However, when they tried to leave the harbour, they had their first confrontation with the police who tried to prevent the sailing of the 'houseboat'. Just in front of a small draw-bridge at the entrance of the harbour, the trip of the Tiri came to an end. If it hadn't been for all the curious spectators that could well have been the definitive end of Radio Hauraki. In the battle the small ship ran aground and it took a couple of high tides before the ship was able to sail away. Prior to that the ship collided with the bridge and the Tiri was more or less suspended from the half open bridge. A police boat ran aground near the ship in the following skirmishes between the police and the crew and one of the uniformed man fell into the water. He was dragged out under the loud cheers of the spectators.

Next half of the transmitting mast was taken away to make it possible to pass the bridge in a normal manner. But the fight wasn't won yet as the outnumbering police took the crew off board. The Tiri was then towed to the nearby marine harbour of Davenport.



Eleven participants were locked up in prison for a short period and were given a good talking to the next night (!) by a specially summoned judge because of resistance against the authorities. Each had to bail 1100 guilders, an enormous amount for those days, to be released. The verdict would follow later.

On 26 October 1966 the Tiri went to another mooring place, found at the Freyburg

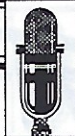
Warf. At the evening of this day it came for the first time to a spontaneous protest demonstration, mostly by young inhabitants, in front of the Auckland town-hall. The group then marched towards the future broadcasting ship. The action didn't prompt the authorities to stop their activities against the people behind Hauraki. On 7 November the bailed crewmembers were fined a ridiculous low fine totaling 660 guilders. The Tiri was once again declared unseaworthy but they succeeded, during the foggy night of 10 November, to disappear from the harbour. Only seven hours later the Tiri anchored for the first time in the international waters of Hauraki Bay.

This didn't imply however that the much needed start of transmissions could take place because of the real bad weather. Moreover the endtube of the transmitter burnt out during the first testtransmission. Due to the bad, or better said: missing ballast the ship was very bad stabilised in the water. On 21 November followed the first, short, successful testtransmission and it could be celebrated that the antenna had stayed intact for a whole day. Three days later the Tiri was once again in the harbour where a new, 30 meters high, antenna tower was installed.

On 2 December 1966 Radio Hauraki hit the airwaves for the first official time. It was deejay Bob Leahy saying: "This is Radio Hauraki, the station for all young New Zealanders". But the happiness over the start of the station didn't last long because in a storm the antenna tower started swaying dangerously and later broke off completely.

Only two days later Bob Leahy could be heard again, because they had erected a temporary antenna making it possible, though dramatically poor, to hear the signal via 1480 kHz.

The lasting bad luck with the small ship wasn't by any means over yet. On the same day they returned on the air the modulation-transformer burnt out. In the mean time the public interest for the station and her mis-haps had become so large that a factory of trafos delivered a new one for free. More



prosperity followed because also the first thirty advertisers could be contracted.

By the way, the Tiri was supplied from Tryphena harbour with the tender 'Maureder', while, when perishable goods were concerned sometimes a plane was used. For more than a year, until 27 January 1968, the broadcasts run without too many problems. On that day the crew of the Tiri entered in a search and rescue operation for a sailor who had fallen overboard from a ship near the radio vessel. For that reason the Tiri left her mooring. They had better not, because in the falling darkness it became impossible for them to find her mooring again, so it was decided to sail on until the morning broke. Of course the engine of the ship broke down promptly, leaving the ship adrift towards the dangerous coastal area.

The first SOS-message was broadcasted at

16 minutes past 11 in the evening after the ship had come closer to the coast, near the entrance of Whangaparapara harbour. The listeners were asked to warn the rescue service, which resulted in hundreds of telephone calls. Almost simultaneously sounds could be heard that were normally not heard over the transmitter, like crackling. The Tiri had run on the rocks causing the ship to become a play-ball of the forces of nature. The crew abandoned ship and they decided to seek refuge on a huge shoal near the ship where they witnessed the Tiri to become a victim of the enormous waves.

That same night several ship tried to pull the Tiri free, without success. At day break the crew was rescued from the shoal and the damage to the ship was inspected. It was decided to tow the ship into the harbour. Repair was possible but turned out to be

very expensive. However, she was fully insured and it was decided to drop the Tiri as a radio vessel and to replace her by a new ship.

On 4 February 1968 the 'Kapuni' was bought and renamed into Tiri II. Large parts of the transmitting and studio installations of the Tiri I were build into the new ship. As soon as this was finished the decided, to prevent spilling any time with the inspection by the authorities, to sail out immediately. The Tiri II was, like her predecessor, a wooden ship build as early as 1909 and

antenna of the Tiri I. Several other incidents, not uncommon to radioships, happened. But luckily for Hauraki the tides turned into her favour, something we didn't thought possible in Europe. The authorities decided not to impose a law against Hauraki, making it possible to forbid the station, but to give the organisation a chance to put up a *commercial station on land*, taking the enormous following into consideration.

Hauraki got, as the first organisation in New Zealand, a *licence* in 1969 providing them with a FM-frequency making it possible to continue

their broadcasts legally from Auckland on 96.0. MHz. On 1 June 1970 at 9 in the evening the last program was broadcasted from the Tiri II. That program showed that the crew was looking forward to the future with confidence.

Then the Tiri II returned to Auckland, a trip overshadowed by a tragic incident.

Deejay Rick Grant wanted to fetch some new playing-cards from his cabin. Just as he was walking on the deck a huge wave swept him overboard. In spite of the search and rescue operation that started immediately, the body of Rick was never found.

On 26 September 1970 Radio Hauraki returned to the airwaves with a power of 5 kW. Since then the station has become a commercial success. Efforts from the writer to get actual information about the station by fax turned out to be unsuccessful. Maybe they don't want to be remembered of their offshore history nowadays? Who knows. For a direct answer New Zealand is still too far away from Western Europe □

JURGEN STEINHOFF
(translated by Gerd)



with her 33 meters 3 meters longer then the Tiri I.

On 28 February, just over a month after the silencing by the storm, Radio Hauraki was on the air again from her new ship. Six weeks later, on 9 April, the ship had to find refuge in a bay because of the upcoming rough weather. The storm went into a hurricane and the Tiri II was swept of her anchor the next morning and also this ship ran aground. Also the 50 meter high antenna broke off completely. But they were lucky because on almost the spot where she had been anchored a passenger ship came into trouble by the hurricane, causing it to sink. More then fifty passengers and crew drowned in that accident.

Within a few days Radio Hauraki was on the air again thanks to the retention of the

SW SURVEY

The SIO's are for the UK and the *continent* respectively. In case there's no SIO at all listed, the station was *only* logged in Scandinavia. SW addresses are to be found elsewhere in this column. In this issue we cover the period Sat Sept. 2nd - Sun November 6th 1995. A few remarks: some of the loggings have perhaps already appeared in FRSGDX 136 but are now completed with UK logs. In case a date is marked with a <*> it does mean that those logs aren't complete!! In such case we try to publish the complete list in a next edition.

SATURDAY SEPTEMBER 2nd 1995

Meteor	3920	18.06	--	-4
Atlantis	3920	18.12	--	-3
Bill Cosmic	3946	23.39	--	-2
Unid	6310	23.07	--	344
Dublin	6915	09.34	555	-3
Titanic	6954	21.30	--	-?
NAPRS	6955	23.30	--	-2
RFM (USA)	6955	23.41	--	-3
Outlaw	6955	02.59	--	-
Starshine	6955	03.00	--	-
Radio Virus (?)	6958	00.13	--	-?
Sparks	7125	11.05	--	-4
Francis Drake	7125	12.05	--	-4
Marabu	7125	13.05	422	-4
Europe	7300	08.35	--	-3
Marabu	7300	09.30	--	-4

SUNDAY SEPTEMBER 3rd 1995

Reflections	3910	17.11	555	-3
Moonlight	3915	09.29	--	-3
Atlantis	3915	09.35	--	-3
Meteor	3915	17.56	--	-4
Jimmy	3920	09.25	--	-3
Meteor	3920	09.58	--	-4
Bill Cosmic	3946	00.30	--	-2
R.H.A.L.	3946	19.51	--	-4
Ozone	5930	10.41	343	--
Black Eagle	6200	12.01	--	-4
Jolly Roger	6220	08.48	343	-2
Laser Hot Hits	6220	09.20	343	-2
Hitparade R.	6220	12.32	333	--
Coast FM	6250	13.02	322	-2
Unid	6258	11.13	--	243
Communication	6259	10.30	333	444
Crazy Wave	6260	09.50	--	243
Transatlantic	6260	08.10	--	344
Perfekt	6270	08.30	--	233
Crazy Wave	6281	09.35	--	-4
Reflections	6295	17.10	433	-3
Unid	6305	13.46	--	253

Pandora	6306	09.40	--	253
Unid	6307	11.15	--	-3
Dublin	6915	17.12	-1	243
RFM	6955	00.11	--	-3
Free Speech	6955	00.15	--	-?
Unid (USA)	6955	00.31	--	-1
Bob's Com. Net	6955	01.46	--	-2
Unid	6955	02.00	--	-2
Amazonia	6955	02.41	--	-4
Outlaw?	6955	04.01	--	-?
East Coast M.	6958	00.44	--	-2
Unid	6964	00.54	--	-3
Italia	7140	08.55	--	-3
Europe	7300	08.05	--	-4
Marabu	7300	10.20	--	-4
Wrekin' Radio	12265	10.53	--	243

SATURDAY SEPTEMBER 9th 1995

Perfekt	3925	21.43	--	333
Nexus IBA	3950	19.04	--	433
Jolly Roger	6220	22.28	--	242
Dublin	6915	16.40	--	322
Unid	6955	23.33	--	131
East Coast MR	6958	23.39	--	211
Sparks	7125	11.05	--	433
Marabu	7300	08.50	--	443
Europe	7300	09.50	--	443

SUNDAY SEPTEMBER 10th 1995

Reflections	3910	15.50	232	333
Jimmy	3920	15.20	--	443
Driland	3929	17.28	--	444
Communication	3943	00.02	--	322
Ozone	5930	09.30	--	232
Tele R. Stereo	6012	07.40	--	-3
Caroline (Fr.)	6200	09.12	-1	333
Radio 17?	6210	07.58	-1	222
Unid	6220	11.28	141	--
Communication	6259	09.01	--	433
KDED	6260	08.32	343	232
Crazy Wave	6260	08.40	343	232
Transatlantic	6260	09.13	555	444
TBS R.	6260	16.09	--	-2
Free London	6285	09.21	--	333
Reflections	6295	17.30	141	433
Dublin	6915	07.00	--	322
Unid	6955	00.31	--	231
Italia	7140	07.05	--	444
Europe	7300	08.08	--	343
Marabu	7300	09.13	--	444
Unid	7400	10.40	--	444
Pamela	7489	09.00	--	333

SATURDAY SEPTEMBER 16th 1995

Southern M.R.	3898	22.30	--	-3
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KDED	3908	21.19	--	433
N.E.P.R.S.	3908	22.15	--	433
Marabu	3925	21.05	--	333
Mariquita	3925	22.15	--	333
Pacman	3943	21.05	--	444
Armadillo	3946	21.57	--	222
Caroline (Fr.)	6199	09.05	--	444
Unid	6295	09.05	--	232
La Voz del CID	6306	06.30	--	232
Dublin	6915	08.00	555	444
N.A.P.R.S.	6955	22.26	--	211
Northern MR	6955	22.30	--	211
Nexus IBA	7125	11.10	--	444
Europe	7300	09.30	--	444

SUNDAY SEPTEMBER 17th 1995

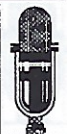
Reflections	3910	16.40	555	311
Moonlight	3912	08.55	--	-3
Pacman	3943	17.21	--	433
Tele R. Stereo	6012	07.45	--	322
Caroline (Fr.)	6199	07.52	--	433
Optimod	6199	10.42	--	-3
Zodiac	6200	08.50	--	322
Laser Hot Hits	6220	10.50	353	222
Jolly Roger	6220	08.48	242	-3
Laser Hot Hits	6220	10.38	343	-2
Coast FM	6250	10.31	454	242
East Coast Com	6255	08.20	--	333
Transatlantic	6261	08.31	--	343
Speedwing	6270	08.20	--	-2
Crazy Wave	6280	08.49	343	243
Orion	6290	13.29	454	222
Reflections	6295	15.38	555	333
La Voz del CID	6306	06.38	--	333
Dublin	6915	14.00	555	222
Europe	7300	08.00	--	444

SATURDAY SEPTEMBER 23th 1995

Mariquita	3925	21.20	--	444
Starshine	3940	21.00	--	433
Wonderful	3945	21.25	--	444
Britain	6236	12.48	--	444
Coast FM	6250	13.33	555	211
Speedwing	6260	13.27	--	433
Dublin	6915	08.00	454	343
Bill Cosmic	6955	22.49	--	322
N.A.P.R.S.	6955	23.39	--	222
Joystick	7125	11.35	--	444
SWR Switzerl.	7125	12.00	--	444
Marabu	7125	12.03	--	444
Europe	7300	12.00	--	444

SUNDAY SEPTEMBER 24th 1995

Daiwa	3910	09.00	--	444
Jimmy	3910	09.10	--	444



Transatlantic	3910	10.09	--	544
Reflections	3910	15.10	555	322
Moonlight	3913	10.04	--	333
Unid	3915	11.18	--	333
Pacman	3944	17.10	--	433
Caroline (Fr.)	6199	09.15	--	333
Unid	6209	17.42	--	222
Unid	6210	09.25	--	433
Ozone	6210	09.41	454	343
Jolly Roger	6220	09.20	--	232
Laser Hot Hits	6220	10.11	353	322
Britain	6236	09.14	343	444
Coast FM	6250	09.00	555	232
Caroline (Irl.)	6250	10.00	--	433
Int.Music R.	6260	08.40	--	232
Coroner	6260	08.46	--	232
Attention	6260	09.09	555	--
Crazy Wave	6260	09.48	--	444
Speedwing	6260	09.54	--	544
Transatlantic	6261	09.16	--	444
Black Arrow	6262	09.50	--	444
Pacman	6266	09.25	--	333
Torenvalk	6275	13.35	454	--
Mirage	6280	08.47	454	333
Outlaw	6280	08.20	454	322
Int.Music R.	6290	10.13	--	433
Subterranean S.	6290	12.24	454	443
Reflections	6295	15.20	555	333
R.R.P.A.	6305	12.25	--	444
La Voz del CID	6306	09.00	--	222
Brigitte	6552	09.17	454	243
Europe	7300	09.05	--	444
WCMR	7300	10.00	--	444
Britain	7360	09.14	--	444

SATURDAY SEPTEMBER 30th 1995

Meteoor	3920	17.52	--	544
Mariquita	3925	17.45	--	444
Driland	3941	17.30	--	443
Caroline	6199	10.40	--	443
Jolly Roger	6220	10.52	454	--
Coast FM	6250	10.40	555	--
Dublin	6915	11.55	--	343
WLIS (USA)	6955	23.02	--	211
Microdot (USA)	6955	23.35	--	211
SWR Switzerl.	7125	12.00	--	444
Joystick	7125	12.01	--	444
Pamela	7489	10.48	--	444

SUNDAY OCTOBER 1st 1995

R.H.A.L.	3897	20.56	--	443
Black Eagle	3900	17.18	--	433
Communication	3900	17.29	--	333
Jimmy	3910	10.34	--	444
Reflections	3910	16.10	555	433
Delmare	3912	10.47	--	444
Moonlight	3913	10.27	--	444
Pacman	3916	17.56	--	433
Meteoor	3920	17.43	--	444
Unid (Russian)	3923	21.08	--	333

Mariquita	3925	17.20	--	333
Caroline	6199	09.15	242	333
Ozone	6210	09.30	555	222
Laser Hot Hits	6220	09.14	555	131
Jolly Roger	6220	11.05	454	222
Unid	6235	13.11	--	222
Coast FM	6250	08.10	343	232
E.C.C.	6255	09.05	555	444
Int.Music R.	6260	09.04	-1	232
Coroner	6260	10.44	--	444
Communication	6260	11.20	--	443
Speedwing	6260	11.52	--	544
Zodiac	6268	11.01	454	--
Zodiac	6277	09.07	242	333
Optimod	6277		-1	333
Reflections	6295	16.10	555	333
Pandora	6307	10.10	555	322
Dublin	6915	09.10	--	232
Europe	7300	09.00	--	344
WCMR	7300	10.50	--	422

SATURDAY OCTOBER 7th 1995

Meteoor	3920	17.55	--	433
Select	3920	17.59	--	232
Unid	3933	13.43	--	343
Caroline (Fra)	6199	11.00	--	443
Crazy Wave	6260	13.15	--	322
Dublin	6915	10.55	--	242
Marabu	7125	11.50	--	444
SWR Switzerl.	7125	12.02	--	444
Casablanca	7125	13.05	--	444
Europe	7300	10.40	--	422

SUNDAY OCTOBER 8th 1995

Titanic	3900	16.29	--	433
Jimmy	3910	09.42	--	322
Atlantis	3910	09.45	--	322
Transatlantic	3910	09.46	--	422
Reflections	3910	15.30	555	333
Moonlight	3913	09.50	--	333
Unid	3915	15.25	--	-4
Meteoor	3915	19.11	--	444
Unid	3930	19.43	--	333
Jimmy	3938	17.23	--	433
Marabu	3950	21.00	--	-3
Caroline	6199	09.20	--	333
Weekend M R	6205	11.37	--	322
Midland M R	6207	11.20	--	222
Dr.Tim	6210	09.40	--	343
Britain Radio	6230	08.25	--	222
Jolly Roger	6230	12.08	--	222
Transatlantic	6260		--	333
Benelux	6260		--	-2
Unid	6275	10.22	--	-?
Communication	6280	10.28	--	433
Radio Titanic	6280	10.34	353	322
Crazy Wave	6281	10.23	--	333
Benelux	6281	11.30	--	222
Communication	6290	10.09	--	343
Reflections	6295	15.45	--	333

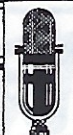
La Voz del CID	6305	07.00	--	-3
R.R.P.A.	6305	13.25	--	333
Pandora	6307	09.25	--	343
Titanic	6955	16.24	--	242
Europe	7300	10.45	--	444
Benelux	7480		--	-?

SATURDAY OCTOBER 14th 1995

Driland	3921	23.15	--	-3
CLCG	3925	17.05	--	-3
Nordlicht	3931	20.55	--	-2
Marabu	3985	14.55	--	-3
Caroline	6199	09.53	242	-4
Laser Hot Hits	6220	12.50	353	-2
Unid	6295	12.25	--	-2
KNBS	6955	17.37	--	--
WMPR	6955	18.05	--	--
KOLD	6955	23.04	--	-1
Marabu	7125	10.02	--	-4
Unid	7125	14.30	--	-4
Marabu	7300	12.55	--	-3
Unid	7300	14.50	--	-3

SUNDAY OCTOBER 15th 1995

Jimmy	3910	10.40	--	-2
Meteoor	3910	10.50	--	-2
Transatlantic	3910	10.57	--	-3
Reflections	3910	19.40	555	-4
Moonlight	3912	11.00	--	-3
Meteoor	3915	18.40	--	-4
Int.Music R.	3915	18.46	--	-1
Spanningzoeker	3915	18.46	--	-2
Caroline	6199	09.30	--	-3
Coast FM	6205	10.34	555	444
Communicator	6206	09.28	--	-2
WMR	6210	12.40	555	-2
Laser Hot Hits	6220	09.04	--	222
Jolly Roger?	6220	09.35	353	222
UK Radio	6235	10.50	454	333
Coast FM	6250	07.15	555	-2
Midland M R	6260	11.08	454	333
Orion	6275	11.55	454	444
Manhattan VFM	6285	08.26	--	-4
FRS Holland	6286	08.50	353	-4
Orion	6290	09.50	555	-2
Reflections	6295	19.40	555	-3
CLCG	6300	08.50	--	-2
Orion	6300	12.36	555	--
Int.Music R.	6305	09.20	--	-3
La Voz del CID	6306	07.10	--	-3
Dublin	6915	08.40	555	-3
Unid	6955	18.55	--	-?
Radio USA	6955	22.15	--	-1
Sunshine	6955	00.00	--	-2
Unid	6955	01.00	--	-2
Strike	7300	11.20	--	-3
WLIS	7415	15.03	--	-3
Pamela	7489	08.40	--	-3
Wrekin' Radio	12265	09.30	--	-2

**SATURDAY OCTOBER 21st 1995**

Radio CLCG	3921	22.00	--	433
Radio Marabu	3925	21.25	--	333
Caroline	6199	11.15	--	-3
Caroline	6220	11.00	343	--
JRR	6220	13.10	--	-2
UK Radio	6233	08.35	--	-3
Coast FM	6250	13.45	555	-2
Radio Perfekt	6270	14.30	--	-3
Radio Dublin	6915	08.25	--	-3
SWR Switz.	7125	12.00	--	444
Josonic Sound	7125	12.02	--	444
Sunshine R.	7125	12.50	--	444
Delta Radio	7400	12.55	--	-3

SUNDAY OCTOBER 22nd 1995

Reflections	3910	17.00	353	333
Moonlight	3913	09.41	--	333
Meteor	3915	17.52	--	444
Black Eagle	3920	17.25	--	433
Moonlight	3938	17.45	--	333
Caroline	6199	09.37	121	333
Ozone Radio	6210	10.25	242	333
JRR	6220	08.51	232	--
BRI	6220	10.25	121	--
UK Radio	6233	09.00	121	232
Pandora	6240	10.14	343	433
Coast FM	6250	09.45	--	132
Unid	6259L	12.30	--	444
TAR	6260	08.25	--	-3
CWR	6260	08.58	--	333
Radio Sparks	6260	09.37	--	232
IMR	6260	10.15	--	232
Communication	6260	10.49	--	-3
Radio Baguette	6260	11.18	--	333
Midland M R	6260	13.51	--	333
Radio Perfekt	6270	09.10	--	333
Reflections	6295	17.00	--	343
RPA	6305	13.42	--	343
Dublin	6915	09.00	--	444
Delta Radio	7300L	13.25	--	-3
Wrekin' Radio	12265	11.12	--	333

SATURDAY OCTOBER 28th 1995

Radio Pluto	3912	23.09	--	222
IMR	3920U	23.30	--	444
Radio Driland	3922	16.05	--	444
Antenne West	3924	18.05	--	333
Mariquita	3925	19.10	--	333
Titanic Int.	3936	22.30	--	443
Mirage	3936	23.00	--	433
Pamela	3944	14.00	--	333
Caroline	6199	11.50	--	333
UK Radio	6233	12.11	--	222
Coast FM	6250	12.10	444	242
Unid	6255	11.53	--	444
Radio Dublin	6915	16.10	--	333
Wonderful	7125	12.02	--	444

SUNDAY OCTOBER 29th 1995

Moonlight	3900	17.47	--	444
Reflections	3910	17.00	121	433
Moonlight	3913	09.50	--	444
Jimmy	3915	10.05	--	433
IMR	3920U	16.48	--	242
Jimmy	3920	17.06	--	444
Mariquita	3925	17.25	--	333
Caroline	6199	09.14	121	333
CWR	6208	09.04	242	343
Unid	6208	13.58	242	--
Ozone	6210	10.08	454	333
JRR	6220	09.30	121	222
UK Radio	6233	09.09	444	232
Radio Benelux	6245	09.05	242	444
Coast FM	6250	09.06	444	232
Voice of the G.	6265	14.01	242	--
Radio Sparks	6275	09.22	--	232
Stardust	6275	09.46	--	232
IMR	6275	11.58	--	232
Black Bastard R.	6275L	12.16	--	444
Zodiac Int.	6277	07.00	--	333
Communication	6279	12.11	--	443
Black Bastard R.	6280	12.44	--	444
Brigitte	6283	12.31	--	444
Reflections	6295	17.00	544	433
Driland	6297	10.10	--	444
Unid	6300	09.30	--	222
Black Bastard R.	6300L	11.58	--	444
RPA	6308	12.30	--	444
Brigitte	6546	10.00	--	443
Radio Dublin	6915	08.13	121	343
Titanic	6955	00.10	--	141
Unid	6965	01.07	--	131
Radio Europe	7294L	09.35	--	433

SATURDAY NOVEMBER 4th 1995 *

Airwolf Radio	3900U	22.03	--	222
Hit Parade R.	3900U	22.26	--	333
Mariquita	3925	23.30	--	333
Radio Sparks	3945	23.45	--	433
Sunshine CR	3985	14.57	--	444
Caroline	6199	10.00	--	322
Radio Dublin	6915	14.50	--	333
Radio Sparks	7125	12.36	--	444

SUNDAY NOVEMBER 5th 1995 *

Reflections	3910	16.40	--	433
Radio Meteor	3920	17.34	--	444
Mariquita	3925	00.00	--	333
Radio Jimmy	3938	17.30	--	333
IMR	3940	16.45	--	322
Radio Sparks	3945	00.00	--	333
IMR	3945	00.06	--	333
Caroline	6199	08.00	--	333
Unid	6204	12.23	--	433
Ozone	6210	11.50	--	222
Unid	6220	09.00	--	322
JRR	6220	12.56	--	322

UK Radio	6233	11.22	--	333
PFBS	6239	09.40	--	333
Weekend MR	6240	13.20	--	333
Coast FM	6250	09.10	--	322
IMR/Sparks	6260	09.12	--	322
Midland M R.	6260	11.53	--	333
Subter. Sounds	6276	11.52	--	333
Laser Hot Hits	6293	10.38	--	322
Reflections	6295	16.40	--	433
Midland MR	6300	13.22	--	322
RPA	6305	13.28	--	433
Radio Pandora	6307	10.20	--	333
Radio Dublin	6915	08.00	--	343
Unid	6955	00.10	--	121
Radio Europe	7295L	09.04	--	444
Radio Europe	7300L	10.30	--	433
Unid	7430	07.53	--	444
Radio Benelux	7480	09.46	--	433
Wrekin' Radio I.	12265	10.00	--	444

CONDITIONS/GENERAL

We started this column in the previous edition with the conclusion that conditions had been *very poor*. It's good to know things have really improved ever since. Similar to other years, things got better by the end of September. Sun Sept. 10th was characterized by deep fading, much noise & long skip. Two weeks later conditions had dramatically improved and more than 25 different stations were to be heard on 48/41 metres!! Sun October 1st & 15 propagation was relatively good too, Oct. 8th was less good. Fact is that the skip pattern has changed resulting in smaller areas with dead zones. Yet there are indications proving we are still on the wrong side of the 11 year sunspot cycle. For instance during FRS-Holland's 15th birthday pxs the signal path was long taking into consideration the trm took place in the middle of October. And that's normally the time of the year that the skip is reduced to an absolute minimum. Hopefully that conditions will remain favourable in the upcoming months. The end of the year is for many SW DXers the most exciting period of the year as far as their hobby is concerned. And it's quite simple...they will enjoy it most when propagation is good!

Conditions and activity always go hand in hand: Sun morning activity has certainly increased in the past weeks. Remarkable is the high number of stations around 6260 kHz. It seems this spot on the dial is very popular & regularly used by stations QSO-ing with each other. Real surprises haven't been taking place recently except one (hot news): the *return of PFBS* Nov. 5th. Thanks to the fact that we now make



use of the Internet, this hot news could be included in this issue! This time no statistics, draw your own conclusion(s) when reading the logs...

THE 76mb REPORT

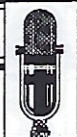
Also on 76 metres conditions have become better. A good *criterion* is Radio Mariquita from Italy. It's in fact a low powered station but in the past period the station has been heard a number of times with a solid signal on 7125 in West Europe. Most of the 76 mb scene has remained the same: Sat nights and the late Sun afternoon/early Sun evening remain favourite. Primarily Dutch stations rule the 3900-3945 kHz frequency range. A compact survey follows...

RADIO PAMELA was noted on 3944 kHz Sat October 28th at the unusual time of 14.00 UTC. Signal was fair. Address is Box 35 in CH-6027 Romerswil in Switzerland *** **BILL COSMIC SPACE RADIO** has been rather inactive in recent months. Sept. 2nd saw the station on 3946U with a "strange show" (according to one of our monitors). Address is (10) *** **RADIO PERFEKT** was heard via Mariquita on 7125 Sept. 9th. Country & mail were the ingredients of the show. Address is (1) *** **RADIO JIMMY** certainly is one of the most active stations from the Netherlands. Almost all October weekends Jimmy was heard on a variety of frequencies (3910, 3915, 3920 etc.). A September 10th test was successful, Jimmy produced a fine signal on 3910. Address is Box 102, 7360 AC Beekbergen *** **RADIO DRILAND** tested on 3929 Sept. 10th. A strong signal was provided. Sept. 30th saw the station at 17.30 UTC on 3941 kHz. In October Driland was heard twice: Oct. 14th on 3921 and two weeks later on 3922. Address is Box 1732, D-48578 Gronau in Germany *** German **RADIO COMMUNICATION** is a relatively new station broadcasting on both 76 & 48 metres. Sept. 10th the station was on 3943 and Oct. 1st on 3910. Address is (1) *** **INT. MUSIC RADIO** was off air since July 30th but returned Sept. 23rd at 23.00 on 3945. Signal was poor. Several 3.9 MHz broadcasts were heard in October, mostly with a fair signal. Nov. 4th & 5th Radio Sparks was relayed via the IMR tx, both times on 3945 kHz. IMR was that same weekend on 3945 & 3940 kHz. Address: see 48 mb report *** Sat October 14th saw German station **RADIO NORDLIGHT** testing on

76 metres 3931 kHz. Power is said to be 300W although reception was not particularly good according to our loggers. Conditions? March 18th of this year saw a simulae test under the name Radio Paradise. The Hoogveen address is not being used anymore. Reports should be sent to (1) *** The **NORTHERN EUROPEAN PIRATE RADIO SERVICE** experienced severe problems Sat Sept. 16th when transmitting on 3908. After 10 minutes of testing producing a signal which was anything but good, the tx went silent. Fortunately, another OP appeared on the site with his tx and he put American KDED on air. After the show the tx was repaired followed by a 10 minute test-loop on 3908. The NEPRS is the counterpart of the famous NAPRS. The latter is regularly relaying Euro pirates, the NEPRS is concentrating on relaying US stations. Word has it that soon Hit Parade Radio and Airwolf Radio will be aired on 76 mb via the NEPRS facilities. Latest news: Nov. 5th between 22.00-23.00 UTC both aforementioned stations were logged on 3900U via the NEPRS tx *** **RADIO MARABU** was relayed via the IRRS Sat Oct. 14th on 3985. Seven days later the station was on 3925 via Mariquita. Address is (1) *** **RADIO PACMAN** was very active in September but this was not the case in October. Sept. 16th, 17th & 24th Pacman was noted on 3943 with polka pop (does that exist?), jingles, offshore extracts, QSOs etc. Address is Box 103, 8120 AC Olst in cheesy but not too cheesy Holland *** **SUNSHINE CLASSIC ROCK** from Germany celebrated two years of SW broadcasts with a special show aired via the facilities of the IRRS in Milano, Italy. The show was relayed on 3895 and the signal was very strong in Western Europe. Address is (4) *** **RADIO ARMADILLO** is certainly not a regular voice on SW... Sept. 16th saw the station 3946. Heavy QRM spoilt the sig-

nal during part of the broadcast. Address is (1) *** Well-known Dutch AM powerhouse **RADIO SPANNINGZOEKER** was heard on SW 3915 at 18.46 UTC Sun October 15th. Signal was poor. Address is Box 578, 7900 AN Hoogveen. We are not sure whether it was a relay or a broadcast with own equipment. Most likely the latter option *** Scandinavian **STARS-HINE RADIO** was not heard very often in Sept./Oct. Pop oldies were aired on 3940 Sept. 23rd. And that's almost all... Sept. 2nd Starshine was heard in the USA via a relay on 6955 at 03.00 with a nice signal. Euro reception was not possible. Address is (1) *** **RADIO MIRAGE** was noted on 3936 Sat Oct. 28th at 23.00 UTC. Ian Page was hosting a show. Unfortunately the broadcast had to be cancelled because of the tx broke down. Mirage was relayed by Radio Titanic Int. Address is (1) *** **RADIO CLCG** was heard twice on 3.9 MHz: Oct. 14th at 17.05 on 3925 (Mariquita??) with offshore infos and a week later on 3921 (via Radio Driland). Address is Box 540101, D-47151 Duisburg in Germany *** **RADIO TITANIC INT.** (see also SW News section!) was testing its transmitting equipment Sun Oct. 8th. At 16.29 a fair/good signal was put on the air on 3900. October 28th saw a specially produced Halloween show on 3936 kHz. Address is (1) *** An unknown **RUSSIAN PIRATE** was heard on 3923 Oct. 1st at 21.08 producing a fair signal! *** **RADIO SELECT** was heard in poor quality on 3920U Oct. 7th *** **RADIO DELMARE** produced a fine signal on 3913U Oct. 1st *** Dutch **RADIO BLACK EAGLE** was noted in fair quality Oct. 1st & 22nd on 3900 & 3920 resp. Address is Box 11, 7954 ZG Rouveen *** **RADIO HAL** aired non-stop oldies on 3897 October 1st. A strong signal was noted. Address is Box 15558 in Amsterdam. Remember Radio HAL = RPA (Pink Panther Amsterdam) *** Time

- 1 = P.O.Box 220342 / D-42373 WUPPERTAL / Germany
- 2 = 14 Stone Row/ COLERAINE/ Co. Londonderry/ BT52 1EP/ Northern Ireland
- 3 = 32 Victoria Road/ SALISBURY/ Wiltshire SP1 3NG/ England
- 4 = P.O.Box 130/ 92504 RUEIL Cedex/ France
- 5 = 12 Dorman Rd/ PRESTON/ Lancs PR2 6AS/ England
- 6 = c/o Stefan Printz/ Kamnarsvagan 13D:220/ 22646 LUND/ Sweden
- 7 = P.O.Box 383/ 5900 AJ VENLO/ the Netherlands
- 8 = Box 293/ Merlin/ Ontario NOP 1W0/ Canada
- 9 = 34B Drift Road/ Clanfield/ Waterlooville/ Harts PO8 0JL/ England
- 10 = SRS/ Östra Porten 29/ 442 54 YTTERBY/ Sweden



for a Dutch powerhouse: **RADIO MOONLIGHT**. The station didn't miss one single Sunday in October. Favourite frequencies are 3900 & 3913. Moonlight is using a strong outlet always providing decent signals on 76 metres. Address is Box 102, 7360 AC Beekbergen *** Another station which is often heard with good signals is **RADIO METEOR**. During most Oct. weekends Meteor was active with QSOs during the early Sun evening. Address is Box 71, 7720 AB Dalfsen *** **TRANSATLANTIC RADIO** was heard during a number of occasions on 3910 kHz. Apparently 3897 isn't the station's fixed channel anymore? Address is Box 4427, 3006 AK Rotterdam.

THE SW NEWS

November 5th the **PIRATE FREAKS BROADCASTING SERVICE** returned to the airwaves following an absence of

will be on air via the IRRS Sun November 19th between 16.00-17.00 UTC on 3985 kHz and Friday Nov. 24th (repeat) between 21.00-22.00 UTC on 3980. It's quite exceptional that Free Radio stations are relayed on Sundays!! Just in time we received this news: Gerwin Schütte was the winner of the RJ September birthday competition. Congrats! By the end of this year RJ will be heard over the American airwaves via *Up Against The Wall Radio*.

CRAZY WAVE RADIO relayed American station KDED on 6260 Sept. 10th. Conditions that day were however lousy, a pity! In the Summer months CWR broadcasted a series of shows under the name "Sommerradio". A magnificent qsl card was received by those reporting to the station for one of the special Summer shows Oct. 29th saw CWR on 6208, a bit unusual because most of the other trms (in October) were carried out on or close to 6260 kHz. A number of times English

ling themselves **RADIO CAROLINE**. Later on in this column news about the French Caroline but there's also an Irish version. *North Dublin's Radio Caroline* was heard Sept. 24th on 6250 at 10.00 UTC. An old tape was played, signal was fair on the continent. Address is unknown! That same day at 03.10 UTC (not in the loglist) yet another **RADIO CAROLINE from Ireland** tested to North America on 6260. With a power of approx. 40W the station was on air between 00.00-20.00 UTC. Confusing, all those Carolines....

RADIO MARABU now offers brandnew yellow QSL cards. The station is regularly relayed via the IRRS, Radio Europe (7295/7300) and Radio Mariquita (3925). In addition Marabu is also to be heard every 4th Friday on 9955 kHz via Radio Miami Int. (see elsewhere). Keep an eye on this frequency Nov. 25th & Dec. 23rd.

Address is (1).

Keeping the Fight for Free Radio alive and kicking!

PFBS RADIO

SUNDAYS ON 60, 48 AND 41 METRES SHORTWAVE!

Rotterdam based **TRANS-ATLANTIC RADIO** tested Sept. 10th but experienced studio problems. Despite

several years! The station celebrated the 10th anniversary and was heard with a nice signal on 6239 kHz. Congratulations! Pirate Andy mentioned the invalid Venlo maildrop (7). It appears this address is still in operation for PFBS, no mail should be sent to (1)! We are curious whether the station will return on a more frequently basis in the not too distant future.

November 18th there will be a **MEE-TING**: a number of German & Swiss Free Radio OPs will meet at the QTH of Yves who's operating IMR. There might be a joint broadcast using the IMR transmitting facilities. Involved will be Frank Neuss from Germany, the Sparks OP, Peter Galliker (SWR-Switzerland) and the Metal FM OP. The OPs of Radio Laguna Int. & Radio Wellenbrecher also promised to be present.

German station **RADIO JOYSTICK** (1)

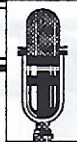
DXers could receive CWR in real good quality. September 23rd CWR put out a joint broadcast together with Speedwing Radio. Signal-strength was exceptional good on the continent! The latter station can be contacted via (1) and was heard Sept. 17th, 23rd & Oct. 1st on 6270, 6260 and 6260L resp. The Oct. 1st signal was a first-class one. Back to CWR: the station's OP Chris Ise is a very enthusiast SW enthusiast who is one of the key-figures behind Level 1, a kind of special event station consisting of several Int. SW Free Radio stations (Germany & Holland mainly). Address is Box 411131 in D-55068 Mainz in Germany. Word has it soon this address will be replaced by the well-known (1). Last news: the Mainz address has already been replaced by (1). DO NOT WRITE to the Mainz maildrop anymore!!

Nowadays there are several stations cal-

pitate the poor conditions a strong signal was noted on 6260! More problems of a different kind (RF) occurred two weeks later during a 6260 broadcast. Following an absence of nearly one month, TAR returned on 48 metres October 22nd. A fair signal was heard on 6260. Address: see 76 mb report.

British station **RADIO PANDORA** is now using the following address: 40 Dalehead, Camden, London SW1 2SL in the UK. This address has been the one used by BBMS. Sept. 3rd, Oct. 1st, 8th and Nov. 5th Pandora was heard on the continent in fair/good quality on 6307. During the latter broadcast the mod quality was far from good. October 22nd a new frequency was in use: 6240.

RADIO STRIKE from Italy are now operating their own tx on 7400 & 7475. Listen out on Sat & Sun between 20.00-



22.00 UTC on 7400 (50W) and between 09.00-11.00 UTC on 7475 (25W). Address is c/o Scaglione, Box 119, Succursale 34, 90144 Palermo in Italy.

The **INTERNATIONAL RADIO RELAY SERVICE** has been testing on various frequencies within the 41 & 76 MB. Since Sept. the IRRS is suffering from increasing interference by a Russian tx operating near 7125 since late September. In the mean time tests have been taking place on 7100, 3950, 3980 & 3985. For instance Sat Sept. 9th a UN Radio show was aired on 3950 khz. Best results were achieved on 3980 & 3985. As a direct result the IRRS can now be regularly monitored with good results on these frequencies. As far as the trms of the European free radio stations on Sat is concerned: these have been continued on 7125 so far. At least till November 5th 7125 trms on Sat afternoon have been observed. In addition Sunshine Classic Rock was

noted on 3985 Sat Nov. 4th at 14.57 UTC. And soon Radio Joystick will also be aired on 76 metres. In FRSGDX 138 hopefully more news about IRRS' trms on 3.9 MHz and the involvement of Free Radio stations. The IRRS has also a Home Page on Internet: [HTTP://www.nexus.org](http://www.nexus.org). Email address is info@nexus.org. Since Sept. 9th the following European Free Radio stations have been heard via the 7125 outlet on Sat afternoon:

Sept. 9th	Radio Sparks
Sept. 16th	no relay
Sept. 23rd	Radio Joystick/Marabu
Sept. 30th	Radio Joystick
Oct. 7th	Marabu/Casablanca
Oct. 14th	Marabu
Oct. 21st	Josonic Sound/ Marabu/Sunshine
Oct. 28th	Wonderful
Nov. 5th	Radio Sparks

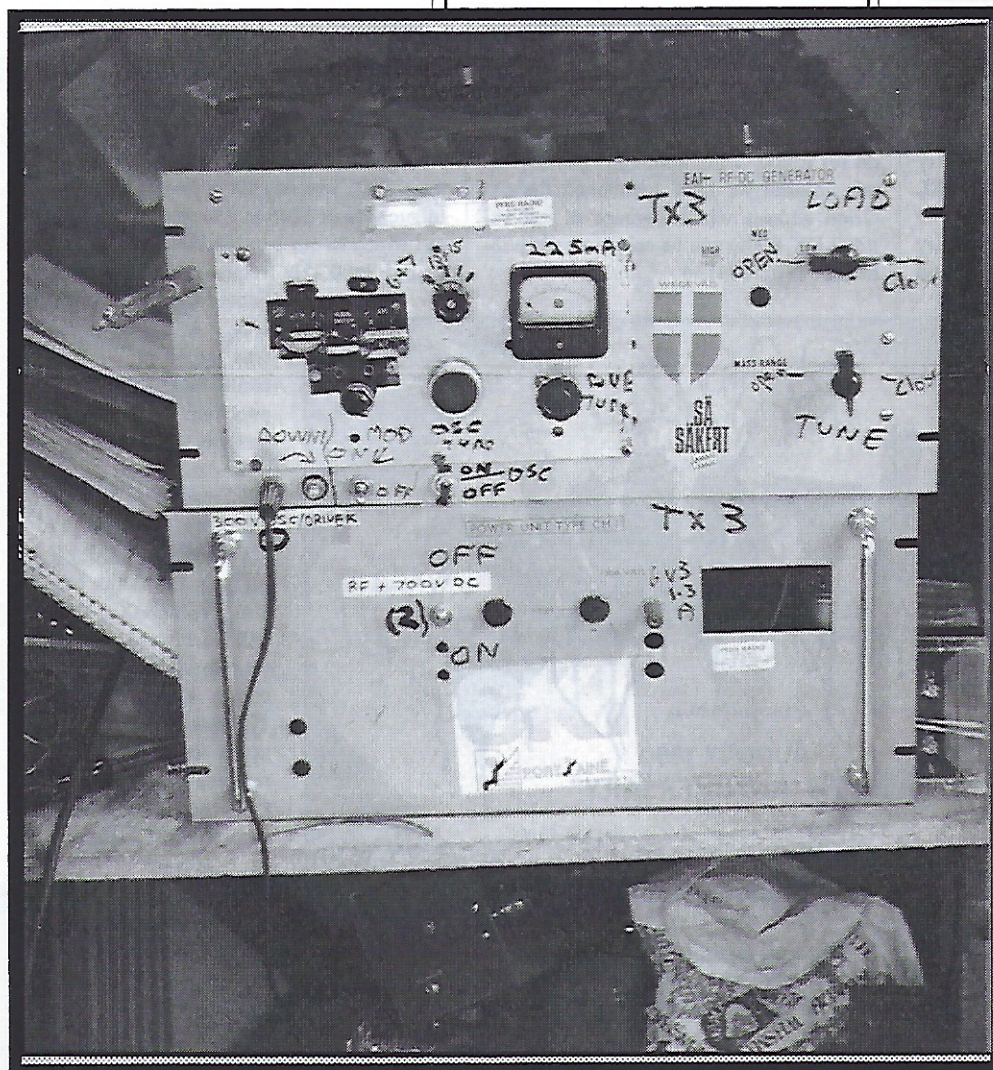
During the Nov. 5th 7125 broadcast of Radio Sparks, the IRRS tx was sitched on and off. Obviously there were some technical problems.

We received some hot news via Rjs Charlie Prince (thanks!!): frequencies & broadcasting schedules of the IRRS will defenitely change. Detailed info follows in December.

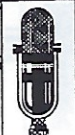
A new station from France is **RADIO CAROLINE**, certainly not an original name. Since Sat September 16th the station is active on 6199 kHz with fairly good signals on the continent. Since its debut the station has been heard most weekends on Sat & Sun. For instance in October the station didn't miss any Sat or Sun. Reception reports have been verified with nice-looking QSL cards and a personal letter. The following info has been given by the station: Caroline France is on air every Sun 08.00-12.00 CET on 6199, 27025 kHz in the CB-band and FM 104.1 MHz locally. Home-made equipment is in operation. For already two years the station has been active on CB & FM. The FM rig is a stereo one fed into a 15m high dipole having a power between 50-200W. The CB tx can be used in FM & AM mode. The SW rig is fed into a halfwave dipole producing 10-50W. Address is BP 2297, F-62217 Beau-rains, France.

RADIO ZARZUELA is a brandnew Italian station intending to broadcast each Saturday evening on 3925 from 20.30 UTC onwards (via Mariquita). The first trm went out Sept. 23rd with pxs in Italian, Spanish, German & English. QSL cards and further infos can be obtained by writing to: c/o GAMT, Box 3, Succursale 10, 31100 Treviso in Italy.

MIDLAND MUSIC RADIO from the UK was heard with a phone-in on 6260 Oct. 22nd. The 10W tx provided fair reception on the continent. Sun Nov. 5th MMR was logged on 6260 and late in the afternoon on



The 6 Mhz transmitter of Premier Scottish Free Radio station Weekend Music Radio



6300. The following tel. number was announced in the shows: 378-767753. Address is MMR, c/o Barks Drive, Norton, Stoke-on-Trent, Staffordshire ST6 8EX in the UK. Latest news says that a new address is in use which we do not have. Hopefully in the next edition...

WEEKEND MUSIC RADIO was heard only with a weak signal on 6205 October 8th. A rather lengthy trm was carried out, the station was logged between 11.00-15.00 UTC. Oct. 15th WMR offered the British DX audience good signal-strength, on the European continent the signal was only poor. Strange, WMR usually has fair/good signals in countries like Holland, Belgium and Germany. Nov. 5th WMR was on 6240 kHz with a show hosted by Marc Jones. We are curious whether the station will be on over the X-Mas Holiday Season. Hopefully some good live programming with phone-ins... Address is (2).

German station **RADIO TITANIC INT.**, one of the longest serving SW free radio stations in Europe, has been very active with a number of broadcasts. A number of broadcasts were carried out for the purpose of testing the transmitting equipment in preparation for the 20th anniversary shows. Mark Brown said a special QSL card will be waiting for those sending in reception reports for the 20th anniversary pxs. October 8th RTI tested on 6280 and 6955 (16.30 UTC). That same day also a 76 mb test was carried out. Sun Oct. 22nd RTI was relayed via the NAPRS on 6955U. Sun October 29th between 00.00-00.30 UTC RTI tested on 6955 to North America using a power of 50W on the occasion of the Halloween weekend. Wednesday November 1st saw a 6955 relay of RTI in the USA at 00.00 UTC. To complete the RTI news: Sept. 24th RTI was testing on 6292 and Sept. 2nd the station was relayed in the USA between 21.30-22.00 UTC. Interesting to know is that Titanic can now also be reached via Internet via the following Email address:

Titanic@SRS.Joy.se. Address is (1). We promised a RTI feature in this issue but so far we haven't heard from the person responsible for compiling the article. Apologies, we expect the feature will be part of the final 1995 FRSGDX issue!

German station **RADIO COMMUNICATION** put out a broadcast on 6259 Sept. 10th. Earlier that morning the station had been on 76 metres. Further trms were noted Oct. 1st on 6260 & 8th on 6280/6290 kHz. During both dates the station claimed to use only 5 watts of power. Signal-strength was fair. Oct. 22nd & 29th saw two more trms on 6279 & 6260. Address is (1). RC started late this Summer with broadcasts on SW.

UK-based station **UK RADIO** reappeared on the bands after a long absence. Sun October 15th British listeners heard a fairly strong signal on 6233 kHz from the Midlands-based station. Also on the continent fair reception was possible. During the rest of October and early November UK Radio was monitored each Sat & Sun on 6233 producing mostly poor signals on the continent. The address is: P.O.Box 53, Bilstone, Wolverhampton, WV14 6YS in the UK. It seems this address should also do for Radio Orion although elsewhere in this column we have mentioned the old Orion address which perhaps is still valid?? UK Radio can be contacted via phone too: 1902-404136.

on 48 metres with qso's, programmes and relays of other stations. The station is using a HAM tx. Up till now fair signals have been noted in West Europe. Sept. 24th marked the station's start of regular 48 mb pxs. Test signals were heard on 6260 & 6290 using an output of 30W. Further broadcasts were noted Oct. 1st (6260), 15th (6305), 22nd (6260) and 29th (6275). IMR is seriously considering the idea of starting regular programming on the old Radio Dublin frequency of 6910 kHz. OP Yves thinks it's asfer to operate outside of the 48 mb. Following a few tests he will decide whether IMR will stay on 6910. The intention is to start a relay service under the name Pirate Radio Relay Switzerland. Only 30 minutes relays are going to be accepted.

Radio Sparks from Switzerland was relayed via IMR on 6275 Sun Oct. 22nd on 6260 and on the 29th on 6275. Nov. 5th IMR carried out a joint broadcast with Radio Sparks on 6260. Address: Box 510, CH-4010 Basel in Switzerland. Stardust Radio was relayed on the same frequency at the latter date via IMR.

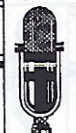
RADIO BENELUX was heard on the unusual 6245 kHz Oct. 29th. Normally this frequency is useless because of the strong Radio Vatican outlet. But at the time BNL was on, the pope was off. And in such cases 6245 is a very nice frequency! Much to our surprise BNL returned to its old 7480 kHz frequency Sun Nov. 5th between 09.00-10.00 UTC. A strong signal was received on the continent. In the UK a poor/fair signal was audible. Address is (1).

All Free Radio stations who are broadcasting via **RADIO COPAN INT.** in Honduras (see also FRSGDX 136) will be instead relayed via Radio Miami Int. taking effect at once. The reason is that RCIs tx is currently being repaired. RMI uses a 50 kW tx (!!) tuned to 9955 kHz/ 31 metres.

British **RADIO ZODIAC INT.** has no connection whatsoever with the station of the same name operating in the late 70s.



INTERNATIONAL MUSIC RADIO is back on SW after an absence of several weeks. Since late September IMR is active



At least, these are the words of John Campbell who's into SW free radio DXing since many, many years. And who would have doubts about his words? We haven't! The fact that Zodiac uses a maildrop in the same area where the old RZI was based is just a coincidence. John Campbell adds that "there is a rather large percentage of overlapping of identity between Zodiac and BBMS". Steve Kent is the station's OP. Sept. 17th RZI was using 6200 interfering with the French Caroline. October 1st RZI was using 6277. A weak signal was heard in the UK but on the continent the result was better. A test to North America was carried out in the early hours of Sun October 29th. At the FRS QTH a strong signal was noted at approx. 07.00 UTC on 6277. However, the mod was not clean and sounded a bit overmodulated. Moreover: conditions were very poor that weekend, so it's doubtful whether the test was successful. Address is (9).

Some 7 or 8 years ago **RADIO CLAYMORE** was a mysterious station claiming to be broadcasting offshore. Reports from well-informed sources suggest that the station has been logged in Germany and the UK. Reception reports from Oct. 29th between 11.00-12.30 UTC suggest that the station was heard on 7473 kHz and 6295 kHz/48 metres. Who can supply us with additional info??

Definitely heard in the UK Sun Oct. 29th: the **VOICE OF THE GOUT SUFFERERS** being noted on 6257 with a Halloween special. The output consisted of plenty of talking in English and Low Scottish, and no music, from 14.26 until after 14.40 UTC. This one, like Zodiac, is "not independent" of another existing station from Scotland. Tx's to John Campbell for this piece of news!

BRITAIN RADIO INT. carried out a transmitter test Sat Sept. 23rd on 6236. This brief test was heard in excellent quality at 12.48 UTC. It appeared this test was done in preparation for the following day when the station put out a complete schedule of pxs on 6236/7359 kHz. And the fact the station was on both frequencies active proved this was not a relay but a trm with own equipment. On both frequencies good reception was provided. Conditions that day were far from bad! It was good to hear BRI back on the airwaves with great shows after a long absence. Oct. 8th BRI was relayed via JRR on 6230. Address is (4). We are looking for-

ward to hear more of BRI in the near future. Certainly the station will be active over the X-Mas period but hopefully also sooner.

The OP of **RADIO FUSION INT.** informed us that his station may be back on the wireless December 10th or 17th with a brandnew 200W tx. Some time ago both modulator and tx broke down only being 1 minute on air (a joint trm with German CWR was planned). RFI has joined the Dutch-German Level 1 project and thus will be heard during the upcoming Level 1 broadcast.

Sept. 3rd **OZONE RADIO** was noted in Germany on 5930. Signal was ok. One week later the station was once again noted on 5930, this time mod level was too low. During most Sundays in October Ozone was active on 6210 kHz putting out fair signals. A new address is in use: 55D Chester Road, London N19 5DF.

German **CRAZY WAVE RADIO** will change its maildrop. The current Mainz address will be replaced by the well-known Wuppertal address (1). CWR is also planning a number of Sat afternoon shows on 48 metres at around 14.00 CET. So far the station was noted on Sat October 7th on 6260.

A bit of a strange occasion on the 48 mb was **BLACK BASTARD RADIO** from Germany. October 29th the station was noted on a number of frequencies: 6275L, 6280L & 6300L. On all frequencies strong signals were produced. The OP didn't make himself very popular by wilfully interfering with a number of stations qso-ing with each other. No doubt a powerful HAM transceiver was used by the station.

RADIO EAST COAST COMMERCIAL was heard September 17th on 6255. This trm replaced the one which should have been going out two weeks earlier. A strong signal in the UK and on the continent proved that conditions that morning were very favourable. Also two weeks later, Oct. 1st, RECC provided excellent signals in Western Europe thus enabling many SW Dxers to tune in to the Norman Nelson DX Show in good quality. We are not certain whether RECC was on air November 5th, if so the signal on the continent was only poor (at least on the FRS QTH). We haven't heard from the station following the letter by Neal West in

FRSGDX 136. Address is K-Flats, 9-11 Church Street, Cromer, Norfolk NR27 9ER in the UK.

RADIO PINK PANTHER AMSTERDAM is one of the very few stations using a more or less fixed frequency above 6300. Frequently the station is to be heard in fair/good quality around 6307. That was the case Sept. 24th, October 8th, 22nd & 29th as well as Nov. 5th. Address: see Radio HAL 76 mb report.

SW NEWS IN BRIEF

FRS LONDON is a bit of exceptional one among the many SW Free Radio stations. The stations runs a very irregular schedule with an output mostly consisting of extracts of other radio stations. However: in the past months nothing has been heard of this British station. Is it a kind of secret project run by an OP of one another UK station? *** **RADIO FREE LONDON** used to be one of the most famous London-based pirate stations in the 70s and early 80s. The station started in the early 70s and put out a rock format. An old tape was heard on 6285 Sept. 10th. Was this a transmitter test by one of the WNKR people (Dave Martin/Terry Philips)? Perhaps... Terry Philips were aired, so...is continued below! *** UK station **RADIO RECHARGE INT.** from the UK was heard testing on 1644 kHz. Sat night Sept. 23rd. A very nice signal was produced by the unknown relay station. Address of Recharge is (2) *** The Russian **MUSIC ISLAND RADIO** (FRSGDX 136 page 18; not Island Music Radio!!) verified reports with a nice QSL *** Not in our loglist: **RADIO REBEL 105** broadcasting on 7480 Sept. 10th using the address c/o Tommy, P.O.Box 1253, D-73542 Lorch, Germany. It is uncertain whether it concerned a recently produced show or just an old tape being put on air *** Sun Sept. 10th saw the first test of a new UK radio station calling itself **RADIO 17???** We cannot give 100% certainty whether this name is the correct one... Who can help?? *** American **HIT PARADE RADIO** was relayed via JRR September 3rd. It was by the way an old show *** **JOLLY ROGER RADIO** was heard all Sundays on 6220 with own pxs and relaying Laser Hot Hits (8). JRR's address is Box 39 in Waterford, Eire *** **RADIO MARABU** was heard a couple of times on 7300L via Europe: Sept. 9th & 10th and Oct. 14th. Signals as always



solid! Address is (1) *** **RADIO PAMELA** continues with regular trms on 7490. Sept. 10th & 30th as well as October 15th fair signals of the station were heard on the continent. Address is Box 35, CH-6027 Romerswil in Switzerland *** With the better SW conditions, **RADIO DUBLIN** is being heard very well in Western

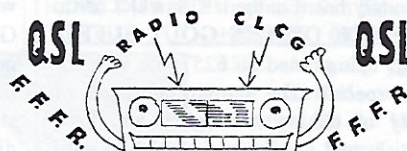
RADIO MARABU
POSTFACH 5600 -
220 342 WUPPERTAL 22

**Techno-Hardcore-
Industrial-Wave-
Punk...**

Europe. It looks like the modulation sounds a bit louder. In particular during the earlier morning hours Dublin is coming in strong *** **NORTHERN MUSIC RADIO** was relayed via the NAPRS Sept. 16th and was heard in Europe with a weak signal. The station can be contacted via Internet: NMR@SRS.joy.se. Address is (10) *** **RADIO BLACK ARROW** is a Dutch station which was noted with excellent signals on 6262 & 6280 (not in parallel) Sept. 24th. Pxs in English and Dutch were picked up at 09.50 UTC. Address is ?? *** **COAST FM** continues with very regular (almost weekly) trms on SW 6250 kHz. November 5th the station was heard in fine quality at 19.00 UTC. The SW output is in fact a relay of the local FM output. Coast FMs trms are emanating from Eire *** **BCSR** (10) is a station of Scandinavian origin (see also the 76 mb report) and was heard in poor quality in Germany Sept. 23rd. It concerned a relay via the NAPRS *** What has happened with the boys from **WEST & NORTH KENT RADIO**? Gary Stevens reported on Ozone Radio that the crew is involved in a London-based FM project called Radio Free London FM... And this explains the 6285 broadcast of Radio Free London FM Sept. 10th. It was indeed one of the WNKR people putting out that test! Gary Stevens added that WNKR may very soon return to SW as the response to their FM service is disgusting! Worse compared with SW... Welcome back guys... *** **RADIO CORONER** from France was heard twice on 6260 (nowadays a kind of qso frequency): Sept. 24th and Oct. 1st. The latter date a strong signal was produced. Address: see CWR! *** **RADIO PACMAN** was noted in fair qua-

lity on 6266 Sept. 24th. Address: see 76 mb report *** **RADIO MIRAGE** (1) appeared in fair quality on 6280 Sept. 24th. In the mean time the station is producing SW pxs for already many years. The station has no regular schedule but mostly a handful of trms are taking place each year. US station Outlaw Radio was relayed via Mirage Sept. 24th. Reports suggest Mirage will very soon return on 76 metres with another nighttime show and probably late November with pxs on 48 metres *** Around this time of the year **RADIO GEMINI** from the UK should be celebrating their anniversary. Gemini started in 1972 and this year should see the 23rd birthday of this legendary and longest-serving European Free Radio station on SW *** **SUBTERRANEAN SOUNDS** returned on 6290 Sept. 24th. Signal was fair. The station's output is a mixture of speech & music. Sun Nov. 5th a nice signal was noted on 6276 kHz. Address is 5 Dolphin Court, 15 The Avenue, Branksome Park, Bournemouth, Dorset BH9 2UN in the UK *** October 15th saw German **RADIO CLCG** on 6300 via an unknown relay. Caroline extracts were heard. Signal was not very strong. Address: see 76 mb report *** November 5th an unknown station was putting out Caroline recordings on 6204. Earlier that same morning Caroline recordings were noted on 6220. The 6204 signal was louder than the 6220 one. Were both signals put out by the same station?? Who can help? *** Remember **OPTIMOD**? The station disappeared following the raid on Radio Merlin Int. Sun Sept. 17th Optimod was noted on 6200 (via Ozone?) and two weeks later 6277 was in use via the Zodiac tx *** **RADIO ORION** was heard with good strength October 15th. For almost two hours the station was only a few kHz above FRS-Holland thus causing serious QRM. Later on that day a QSY to 6275 was made and at 12.36 UTC Orion was noted on 6300. In the UK very strong signals were heard *** **RADIO DRILAND** was heard with a phone-in show Oct. 29th. A strong 6297 signal was noted just after 10.00 UTC. Address: see 76 mb report *** Who can supply us with more info regarding two broadcasts of **DELTA RADIO**? Oct. 21st at 12.55 the station was heard on 7400L and one day later at 13.25 7300L was in use. On the latter date a px called "Delta Sunday" was put on the air *** **RADIO PERFEKT** (1) tested Sat Oct. 21st between 14.30-15.30 on 6270. Signal

was satisfactory. A very brief trm was carried out the following day on the same channel *** Try this one: a station calling itself **RADIO SLOVENIA** was logged on 6260 Oct. 1st. Signal in the UK was weak *** Oct. 29th saw **RADIO BRIGITTE** on 6546 & 6283. Both frequencies were clear and as a result good signals were heard. Sept. 24th Brigitte was on 6552 with the Good Morning Show. Address is Box 10, 7954 ZG Rouveen in the Netherlands *** **RADIO DR. TIM** used 6210 Oct. 8th and produced a fair signal on the continent but a weak one in the UK. DX-infos were being read out and listener's letters were handled. Since July the station is using an own tx and it is said the output is almost 100W (?). Address is (1) *** A new station calling itself **RADIO COMMUNICATOR** made its debut trm Sun Oct. 15th on 6206. Techno mx was heard along with a poor signal. Address unknown *** **WREKIN' RADIO INT.** can be regularly heard on Sundays. Just tune your receiver to 12265 kHz and make sure you use an outdoor antenna! Nov. 5th a solid signal was to be heard in Germany. As from now onwards WRI can also be contacted via Email: 100557.2617@CompuServe.com. 'Normal' address is WRI, 51 Eastwood Boulevard, Westcliff-on-Sea, Essex SS0 0BY in England *** Italian **RADIO EUROPE** suffered from technical problems during



Dear Bruno,.....
As confirmed, that you've heard RADIO CLCG as follows:
Date: 24 Oct. 1999 Time: 09.59-10.29 UTC QRG: 6200 kHz
SINPO: 22232/22332

Thanks for your report and keep on listening!
Clandestine Listeners Club Germany
POB: 540 101.D-47151 Dalsburg Germany

the 7295L trms on Sun Nov. 5th. Later on that morning when Europe had switched to 7300L, things seemed to be ok *** Who does know which station was responsible for the strong 7430 kHz signal Sun Nov. 5th?? Mysterious... ***

UNIDS

Sept. 16th 6295 09.05 0=2
Sept. 24th 6210 09.25 0=3 very low audio;
Sept. 24th 6210 17.42 0=2 Non-stop pop;



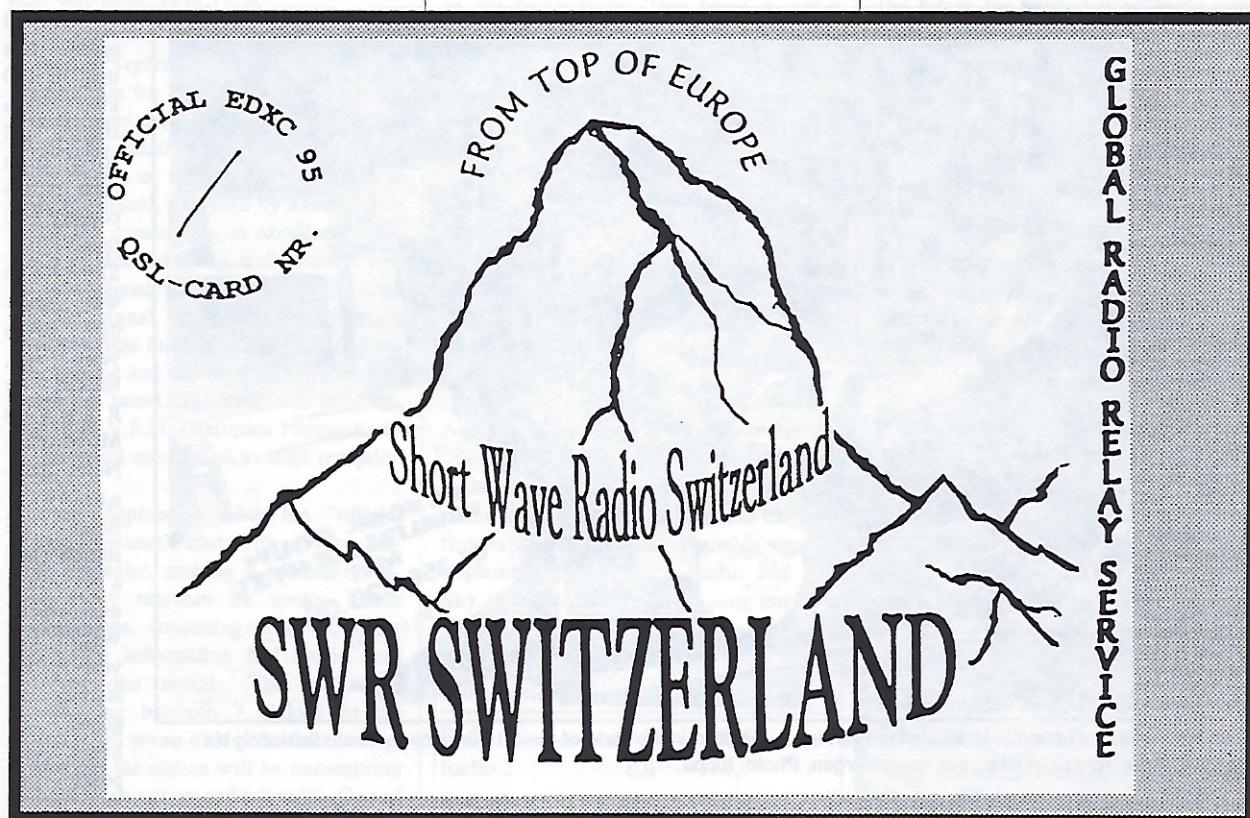
Oct. 14th 6295 12.25 0=2 Non-stop mx;
 Oct. 22nd 6259L 12.30 0=4;
 Oct. 28th 6255 11.53 0=4 Caroline recordings;
 Oct. 29th 6300 09.30 0=2 popmx;
 Oct. 29th 6965 01.07 0=1 Strange mx, no ID.

SRS from Sweden has been organizing a pop poll. Listeners could vote for the best

the large financial investment in equipment which he doesn't want to end up in the hands of the FCC. No more pxs will be produced because station OP Nemesis believes that studio "piracy" accomplishes nothing more than to increase the risk of the genuine pirate stations and to provide QSLs that usually end up being a waste of postage & time it took to obtain them. In the 18 months of operation, 15 pxs were produced in addition to the 100 or so re-

In the past months several US stations made it across the Atlantic. Here's a brief survey. Unless stated, all stations were heard on 6955.

Sept. 2nd NAPRS 23.30 UTC
 Sept. 2nd RFM 23.41 (via NAPRS)
 Sept. 2nd Unid 17.37 on 13900
 Sept. 3rd RFM 00.00 0=3!
 Sept. 3rd Free Speech 00.15, very weak
 Sept. 3rd Bob's Comm. Net 01.46 0=2
 Sept. 3rd Radio Amazonia 03.10 0=2



1995 SW free radio station, the best 1995 free radio DX Show and also the relayed station of 1995 (studio pirate). There are prizes for the winning stations but also for those people participating with their votes. Listeners had to vote by choosing three stations in each category. Hopefully in FRSGDX 138 the results.

USA FREE RADIO NEWS

Well-known American **RADIO DOOMSDAY** went QRT some time ago. The OP decided it was time to quit due to

lays provided by the aging (and famous) Hallicrafters HT-37 tx. It was commented that "at \$ 10,000 per offence, Radio Domsday racked up over US\$ one million worth of broadcasts during 1994. In 1994 the station was relayed by KIWI Radio and in 1995 by Starshine Radio. Over 200 QSLs were issued to listeners in over 35 US states, New Zealand, Australia, UK, Germany, Channel Islands, Canada and Sweden. It was fun while it lasted! The **NAPRS** celebrated three yaers of SW trms October 22nd with a 30 minute show on 7415U.

(via KDED)

Sept. 3rd East Coast MR 00.44 6958
 Sept. 9th Unid 23.33 0=1
 Sept. 9th East Coast MR 23.39 6958 0=1
 Sept. 16th NAPRS 22.26 warm-up mx
 Sept. 16th NMR 22.30 relay via NAPRS
 Sept. 23rd BCSR 22.49 relay via NAPRS
 Sept. 30th WLIS and Microdot
 Oct. 14th KOLD 23.04 0=1
 Oct. 15th Radio USA 22.15 0=1
 Oct. 15th Sunshine 00.00 0=2
 Oct. 15th Unid 01.00 0=2

DEC. 24th: FRS X-Mas Party....tune in on 48!!

MADE in HOLLAND

By Chris Latiers

You already read about the start of the commercial Veronica on *Friday September 1st*. That same day RTL Rock Radio ceases presented programmes and switches over to a non stop format. This has been done in order to make the move towards the new station KINK FM. This station, just like Veronica a part of the Holland media Group, is due to start Oc-

the new frequency the night before. Initially it was intended the station should start Tuesday September 19th. But when Sky offered Radio Utrecht to air free radio spots announcing the regional station's move towards 100.1 MHz, it was agreed the non-stop-soft-pop station would start some days earlier. Sky will play these announcements during two months. Value

non stop soft pop music, without deejays. The only exception is the Candlelight programme, presented by Jan van Veen. Five days a week this programme, already dating from the Radio Veronica offshore days, can be heard just before midnight.

The output of the transmitter will be up-warded to 50 kW soon. In January the

power will be increased again, this time to 100 kW. The station will cover most parts of the country by then.

Sky Radio was founded seven years ago, backed by Rupert Murdoch's News International. Soon the station had a huge audience. Within one year the station reached the break-even point. In 1991 it got



One of Holland's most popular jocks, Jeroen van Inkel, in action in the state-of-the-art Veronida radio studio during his Breakfast Show "Rinkeldekinkel, óók goeiemorgen. Photo: Kippa.

tober 1st. The "tests" sound very promising. At last a station not aiming at housewives or kids! A lot of 'alternative' and quite heavy music is played. In an earlier edition of Made in Holland we described the format as "college radio". Certainly a kind of radio not provided in the Netherlands until now.

A 1.5 million advertising campaign accompanies the return of Sky Radio to the airwaves on *Friday September 15th*. Two years ago the station had to give back a so-called "left-over frequency" on FM.

At seven o'clock in the evening Sky starts on 100.7 MHz, the former Radio Utrecht frequency. Not many people will have heard it, but the station has been testing on

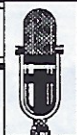
of this advertising time: 960,000 Guilders.

Sky Radio 100.7 FM (the new name of the station) is promoting itself in all Dutch newspapers and on 120 busses. Posters are placed on 2,200 bus shelters. In these shelters little speakers are playing the Sky radio theme. The speakers are hidden behind the posters. In The Hague a lot of people called the police when the shelters started to air the Sky theme in the middle of the night. It was intended they should be silent until 7 o'clock in the morning. Sky is the first to make use of "singing shelters". Furthermore 800,000 stickers are printed.

The Sky Radio format won't change. It was the first commercial station to play

a terrestrial frequency, but this just lasted until 1994. Sky's director Ton Lathouwers undertook some lawsuits against the Dutch government, and finally he has been succesful. It has been estimated the station has failed 80 million Guilders turnover from commercials during its absence from the airwaves. The intention had been to ask this money back from the government, but now the station is back on the air this idea has been suspended.

Sky is aiming at a market share of some 13 or 14 %. That's more than twice the current share! Most listeners will be attracted from Radio 3. The station is very optimistic about the future revenues from commercials. During the last five years the total amount of radio advertisements in



Holland grew from 70 million to 240 million Guilders. For the month of September the station has been "sold out", while bookings for October are 45% higher compared with the previous year.

There are plans to expand the station towards countries like China, India, Indonesia, Taiwan and Japan. Because News International is exploiting some t.v. stations in the Far East under the name Star, it is understandable Sky Radio will be renamed *Star Radio* in that area.

Saturday September 16th the first test programmes for the news station on 1395 kHz are aired. Non stop music is heard the whole day, until 19.00 o'clock. No announcements or station ID's are broadcasted. The signal, provided by a temporarily 10 kW transmitter, is excellent at the Made in Holland office and far more better as expected. It can be compared with the 828 signal, 'though the modulation level is a little bit lower. The next day the tests resume and this time short announcements are heard. The station is now calling itself V.R.N. (Veronica NieuwsRadio). Listeners are invited to send reception reports.

Monday September 18th the "official testtransmissions" start with a very nervous presenter, making a mistake in almost every sentence he spoke. These transmissions, consisting of news, weather, traffic information and music, will last for one month. The station is broadcasting between 7 o'clock in the morning 'till seven o'clock in the evening. In October the station will be transmitting 24 hours a day news and talkradio. One of the presenters will be Jan de Hoop, to some of our readers better known as Mi Amigo's Frank van der Mast.

During the last two weeks of September and the first two weeks of October V.R.N. is adjusting its programmes gradually towards a real news station.

As already mentioned KINK FM starts **Sunday October 1st**. The station appears to be a real alternative for those people being bored of golden oldies and house. Most programmes are presented by rather unknown deejays. Some people could be familiar to our readers: Alfred Lagarde (RNI, Veronica), Ron Bisschop (= Johan Visser: Mi Amigo, Caroline, Monique, RTL Rock Radio), Luc van Rooij (= Luc Dardin: Monique, RTL Rock Radio) and Rob Stenders (Veronica).

Finally on **Monday October 16th** Veronica Nieuwsradio is launched officially. Output of the transmitter is raised from 10 to 50 kW. Now the station can be received at a distance of some 60 kilometers from the transmitter site in the heart of the country. It is planned VNR will be received through the whole country from November 16th onwards, when power will be increased once again. This time the output will be lifted to 150 kW.

VNR introduces the concept of 'talkradio' in the Netherlands. Two times a day a presenter will be introducing a certain statement. Listeners are invited to give their opinions by telephone. Abroad this format is very successful. In the USA talkradio is the fastest growing kind of radio. VNR's targetgroup are the well educated 35-55 aged. This group consists of some 750.000 people. The station hopes 20% of these people will be listening. VNR is also on Dutch cable and the Astra satellite in stereo on the 7.74/7.92 MHz audio sub-carriers of Veronica's 10.744 GHz/V tv transponder.

And finally..... **Wednesday November 1st** Made in Holland received the latest, most updated Dutch ratings. This time we were more curious than usual because the new figures include Hitradio Veronica starting September 1st. Besides: Radio 538 and Sky Radio are now broadcasting terrestrially.

radiostation	1	2
Radio 1	9,8	8,4
Radio 2	8,0	7,7
Radio 3	22,1	20,2
Radio 4	1,9	2,0
Radio 5	1,1	1,1
Regional stations	19,4	19,2
Rest	7,2	6,9
RNN	9,5	10,1
Radio 10 Gold	9,5	9,7
Sky Radio	4,6	5,3
Radio 538	3,7	5,0
RTL Rock	0,7	0,7
Hitradio 1224	0,9	2,3
Love Radio	0,9	1,0
Classic FM	0,5	0,5
Eurojazz	0,1	0,1

1= period July/August

2= period August/September

Radio 1 to 5 are the Dutch public broad-

casters. Radio 1 is info, Radio 2 entertainment for 30+ people, Radio 3 the national popmusic station, Radio 4 classical & Radio 5 is mainly minorities and also contains educational pxs. Starting with RNN which stands for Radio Noorzee Nationaal all stations are *commercial*. Hitradio 1224 was renamed into Hitradio Veronica as from September 1st onwards.

Taking into consideration that Sky started terrestrial broadcasts mid September and Hitradio Veronica started September 1st, the future for both stations looks promising. Radio 538 has done very well with a 5% share! It will be interesting to see which station attracts most listeners of the younger generation: Radio 538 or Hitradio Veronica. RNN and Radio 10 Gold are the most popular commercial stations in the Netherlands. A more *factual picture* can be given in a couple of months when in particular Sky & Veronica and 538 to a lesser degree have had the chance to gain a bigger audience. We expect that Radio 3 will once again be losing listeners in the period October-December □

RADIOJOYSTICK OFFERS

Brandnew 100% cotton T-Shirts with a dark blue overprint:

DM 20.00.

The Early Days of Radio Joystick. A 90 minute chrome cassette containing extracts from the early years. The definitive compilation of Radio Joystick's first broadcasting years! Order this cassette for DM 20.00

Two hour studio copy on chrome cassette costs DM 20.00.

Blank chrome C-5's: DM 2.

Professional jingles:

one 30 second jingle: DM 30.00

Two jingles : DM 50.00

Five jingles : DM 100.00

Address: P.O. Box 100812/

D-45408 Mülheim an der Ruhr in Germany.



RADIO EUROPE INT.



Compiled by Ian Biggar

Starting this issue FRS Goes DX will be regularly producing features related to the SW stations in the 1970s & 1980s. We are lucky to have a few contributors who were already active in SW free radio DX-ing in those days and thus are able to write a couple of interesting general articles and/or station portraits. Don't expect a series in chronicle order, it will be a collection of separate stories reminiscing "the good old days".

One of the first stations I remember as a 12 year old Pirate Dxer was Radio Europe International. At the time in late 1974 my receiver was simple Grundig portable, either a Concert Boy or Yacht Boy, I can't remember which, but the REI signal was always a powerhouse at my location in the West of Scotland. The station first signed on August 8th 1974 using 6225 kHz with test trms being pre recorded by the famous Mike Knight of Radio Jackie. After several weeks of tests the station officially started on September 29th 1974 at 13.02 UTC with live programmes. Presenters on the stations included Chris Patricks (OP), Robin Johns and Mark Roger. The latter was to become a good friend and broadcasting

announcement of a telephone number in Newcastle under Lyme, Staffordshire to which listeners could give reception reports and have their name mentioned on air. This instant means of contact was unusual for a short wave pirate in those days and proved to be very successful. I can remember trying the number several times and getting a continual 'busy' tone. One listener said he had tried 20 times, rang the operator who tried 11 times without any success. Such was the popularity of the station. Letters poured in to the mailing address in Havant, Hampshire from all over Europe. Despite using a mere 17 watts of power REI was providing good reception for most of those Dxers who wrote.

REI operated in conjunction with a station called Radio Copernicus who followed the same fortnightly schedule on 6235, but using a different transmitter and coming from mobile locations. This station followed a format of "Radio news, views and comment", as this would suggest the stations hour long programme was interesting listening for Pirate Dxers. REI usually signed on not long after Copernicus closed, no doubt in order to keep its listeners. I always remember that Radio Copernicus had quite a weak signal at my location, certainly confirming that different rigs were in use.

Obviously a station with good signals and a regular schedule was going to attract the attention of the authorities and REI was no exception. The station signed on as normal on November 24th with the usual good signal. I remember though that the signal on that day was suffering from a lot of interference. REI then started frequency hopping to avoid what was now considered to be intentional jamming. Chris Patricks was heard to condemn the culprits live on air, but to no avail. According to the operators of REI this jamming was the responsibility of the GPO!

Ominously on December 1st the operator received phone calls at home, apparently from Post Office officials, trying to bribe him to go on air.

The calls were timed at every three or four hours until midnight. Ofcourse the operator denied everything! However it was decided to take precautions for the next scheduled broadcast on December 8th and so a mobile transmission was planned

using the Radio Copernicus rig. REI signed on at 11.50 UTC after the Copernicus programme. I remember that day being surprised because the signal was so weak compared with the previous weeks. It didn't take the authorities long to find the site and at 12.12 the station was raided by eight (!) Post Office men and one Policeman. After questioning they found the 17 watt transmitter, x-tals, cassette recorder and cassettes. Warrants were then obtained for both Op's homes in the search for evidence. At Chris Patrick's place nothing incriminating was found but the officials took photos of his studio, saying it wouldn't be there much longer! However at the Copernicus OP's house, listeners' letters were found and even floorboards were lifted to find evidence.

The court case was in March 1975 and amazingly enough no broadcast gear was confiscated, not even a cassette, but fines did total £ 275. It was planned to restart trms after the court case but various problems prevented this. REI did make it back for its first Birthday show on the 28th September 1975. The only other time I heard REI programmes was in September 1976 when the same old programme tapes were broadcast over KOL Europe as a tribute.

I remember Mark Roger, who some of you will know better as Paul Graham, telling me that he used to travel by train from his home in the Midlands up to South Yorkshire on a Saturday afternoon. After a few beers that night, get some sleep, up early for a hearty breakfast, then prepare for the REI broadcast. A pirates life was a happy one! Paul also remarked on the amazing amount of calls received for those broadcasts.

People talk of World Music Radio, ABC Europe, Valentine etc. when discussing the greats of SW pirate radio. Although it was short lived, for me Radio Europe Int. certainly is in there with the best.

compiled from information in Free Radio Focus & personal memories. Thanks to Joachim Tegeler & Francis Stalpers!

If you possess any info which could be of interest for this series of articles featuring the European Free Radio scene (articles in old magazines, QSL-cards, stickers, info-sheets etc.) or you know persons who were involved in the scene in those days or you have your own memories, then do not hesitate but drop us a line!!

RADIO EUROPE INTERNATIONAL QSL CARD

Date: 14.11.74

This card confirms that JOACHIM TEGELER of D-45 Osnabrück, AM RIESENBRACH 10, FRG, heard Radio Europe International - a free radio station broadcasting with a power output of 17 watts from the United Kingdom - on a frequency of 6225 kHz from 12.15 to 15.05 GMT/BST on 29th Sept. 1974. R.E.I. thanks you very much for your report which was most helpful.

FOR: RADIO EUROPE INTERNATIONAL

Chris Patricks

colleague of mine some 8 years later. The station followed a pattern of fortnightly broadcasts on Sunday afternoons usually on 6225 kHz and always with live pxs. One feature of the station was the

NEWS FROM AROUND THE WORLD



GREAT BRITAIN

SIMON BATES

Former British 1FM presenter Simon Bates has left London Radio and joined national commercial broadcaster Talk Radio UK. Another former well-known UK-presenter, Paul Gambaccini, left after three years Classic FM and is back on the BBC presenting a Radio 3 show.

VIVA RADIO

The London-based radio station Viva, aiming its output at an audience of women only, broadcasting on Caroline's former 963 frequency, aiming at a female listening audience, doesn't fulfil the expectations: it was hoped the station would attract 500,000 listeners in the Greater London area. Reality proves only 1/3 of this figure has tuned their dial to 963. It seems that a lot of women have the opinion the station is boring because only female presenters are to be heard. Kathy Turner, the managing-director decided to quit.

CAPITAL RADIO

London-based Capital Radio fired three of its top deejays. Since a couple of months Capital changed from *personality radio* to a format with much less talk. Quite regularly the three men didn't keep to the station's rules. One of the persons being sacked is former Caroline North & South deejay Mike Ahearn.

BOB HARRIS

Many of you must remember him as one of the presenters on Radio Luxemburg 208. For a 6 year period, between 1975-1981, he was active in the Grand Dutchy. Recently Bob celebrated his 25th anniversary as a radio presenter. His career started in 1970 on BBC Radio One, then he joined BBC TV2 and following that short spell he moved to Luxy 208. In the 1980s Bob worked for local British BBC stations. In 1985 he joined LBC in London and at the same time he hosted a show on BFBS. His next move was a return on BBC Radio One where he stayed till 1993. Since 1994 Bob is active on Greater London Radio.

JOHNNY WALKER AXED

BBC Radio One is not renewing Wizard Radio's independent production contract

for the Saturday afternoon *Johnny Walker Show*. It expired at the end of October. At the same time, 1FM gave presenters Dave Pearce, Kevin Greening, Danny Baker and Clive Warren new programmes in a shake-up of weekend programming being introduced October 28th. Johnny Walker has been replaced by Jo Whiley. Programme-controller Matthew Bannister said: "*The new weekend schedule strengthens RADIO ONE's position as the UK's leading contemporary music station. This powerful line-up matches our weekdays for entertainment, invention and the best new music.*" Commenting on the changes, Johnny Walker said: "*With the modernisation of Radio One and stricter targeting towards the youth market, I fully understand that my Sat afternoon show has run its natural course on Radio One. My company Wizard Radio will continue to be active in all areas of broadcasting and has already been commissioned by another network.*"

REST OF THE WORLD

CELEBRATION

The International Red Cross radio station, settled in Geneva, Switzerland, recently celebrated its 50th birthday. During the 1948 Mexico World Conference dealing with the allocation of frequencies, 7210 was assigned to Red Cross Radio. In 1951 the first 7210 broadcast took place. Nowadays the Red Cross programming is part of Swiss Radio Int.'s output. In this way large amounts of money are saved (FRW).

ADVENTIST WORLD RADIO

Adventist World Radio has been receiving a license making it possible to broadcast via a 50 kW SW tx in Paraguay, South America. AWR's management will be using this tx provided the station also gets an AM/FM license. If the latter won't happen, the station will use satellite frequencies for her broadcast targeted at South America. In that case the SW plans will be dropped (FRW).

LONG WAVE

A 500 kW strong long wave tx will become operational from Sandur located in the western part of Iceland. A giant 1000 ft antenna tower will radiate the signal on a

yet unknown frequency. Iceland can claim 180 & 207 kHz. Start date is unknown.

USA

WJCR

WJCR from Upton, Kentucky in the USA which was off air for a long time, has resumed broadcasting and can be received in Europe provided conditions are favourable. A 24 hour English language programme is broadcasted on 7490 kHz. In particular in the early morning hours reception can be fair. Programme output consists of music and religious messages.

GERMANY

AFN

August 16th the most powerful American AFN-station on German soil closed down. AFN-Nürnberg was the second American Forces Network closing down in Southern Germany. AFN-Munich already closed down a while ago. As a kind of replacement a new station using the name *AFN Bavaria* has been put on air in that particular part of Germany. Fans of on-air personalities such as Charlie Tuna and Don Tracey can no longer hear their favourites on AFN. Although...a trip to the USA would be the perfect solution!! There are rumours that AFN-Frankfurt will be renamed into *AFN-Taunus*.

A (very hot) supplement to *Made in Holland* we can provide you with the latest figures regarding the listening ratings of the Dutch radio stations.

Radio 1	6,2	(-2,2)
Radio 2	5,7	(-2,0)
Radio 3	17,6	(-2,6)
Radio 4	1,0	(-1,0)
Radio 5	1,0	(-1,0)
Sky Radio	10,4	(+5,1)
RNN	11,4	(+1,3)
R. 10 Gold	10,9	(+1,2)
Radio 538	7,3	(+2,3)
Regional	21,3	(+2,1)
Others*	7,2	

The Others* includes EuroJazz, Classic FM, Kink FM, Radio Veronica, Love Radio and the Dutch local stations and may not be compared with the Rest as listed in *Made of Holland*. The December issue will feature the latest figures.

1995....we are in the middle of the high tech era. DAB- Digital Audio Broadcasting- is already reality (tests are carried out in several countries) and will be replacing FM with CD-like quality on your radio. Also satellite radio is rapidly developing. The audio quality of most radio signals emanating from space is far superior to the general sound of FM stations. With the introduction of DMX and ADR, the quality is once again improving. FRS Goes DX reports about the current state of affairs.

A lot of people who have a satellite dish on the roof, often automatically speak of satellite TV. But that's not the whole truth: there's more. Also several radio signals reach mother earth following a "space flight" of several ten thousands of kilometres. And this happens more and more and perhaps more important: digital signals are within reach!!

Imagine: a receiver offering dozens of radio stations with an enormous programme diversity, without talking deejays, commercials, starchy-eyed idealists but instead 24 hours a day non-stop music in CD quality, cleverly classified in categories. Up till now it was an utopian dream, but with the introduction of DMX on Astra this dream becomes reality. DMX is available via Astra Digital Radio on the Astra 1A, 1B, 1C & 1D satellites.

Several manufacturers have already shown their new products on the Berlin IFA, the leading European trade fair for consumer electronics which was organised between August 26th and September 3rd. TechniSat already proudly presented the AX1 AstraStar. This ADR receiver offers the critical radio listener an unequalled offer of digital musical pleasure.

More Channels, better Quality

The great demand for a spot-for even more radio channels on the already packed Astra satellites and the demand for a

better, superior sound quality resulted in the choice of a new standard for radio by the end of 1993. The Astra operator Société Européenne des Satellites (SES) was responsible for the choice of this new standard and named it Astra Digital radio. The advantage of ADR is twofold: an significant improvement of the audio quality (digital audio equalling CD quality; frequency range 20 Hz-20 kHz; dynamic range >90dB) and: more digital radio channels can be housed on a TV transponder compared with analogue ones, even though ADR uses narrowband subcarriers similar to the Panda 1 standard. A stereo signal needs two Panda 1 subcarriers whereas ADR confines to just one carrier. A so-called 26 MHz Astra transponder can house a maximum of 48 ADR radio channels. The current Panda 1 standard on Astra can still be used while at the same moment ADR channels are in use on one and the same TV transponder. It is expected that most analogue satellite radio stations will gradually switch over to ADR. It simply means that the costs radio stations have to pay for hiring an audio subcarrier are reduced to 50% of the original costs! A third advantage, yet unmentioned, is the fact that ADR enables radio operators to encode the signal making it possible to use the system for pay radio

which is transmitted together with the audio signal.

Everyone willing to receive ADR stations must buy a special ADR receiver. The current satellite receiving equipment cannot receive ADR signals!!

Astra ADR Choice

Several German stations will be using the new ADR standard. Many of these German broadcasters have already announced to switch to ADR. Most of these trms won't be encoded thus enabling anyone having ADR receiving equipment to pick up the pxs trouble free.

With the introduction of ADR, Digital Music Express is also bidding for the critical satellite listener's favours. No less than 60 channels will be available, spread over the many Astra transponders. Before the end of 1995, the number will increase to 90. In the end there must be 120 DMX channels, also meaning there are 120 different music formats!!

DMX is a subscribing service, call it pay audio. Every subscriber pays a monthly fee and gets a smart card to be inserted into the satellite receiver. With the smart card, the DMX signal which is received, can be decoded.

The choice of formats is entirely a decision of the American compilers of the DMX package. The European organisations who take care of the control/ administration of the subscriptions have no influence at all.

People buying an ADR receiver will receive totally free a DMX smart card offering 10 days of listening pleasure. In this way DMX hopes to stimulate consumers to subscribe to their service.

ADR Receivers

We mentioned it already: to receive an ADR signal, the listener must make use of receiver being able to pick up the Astra signals and producing a baseband signal. The latter is purely technical information but is nevertheless of vital importance. It's not our

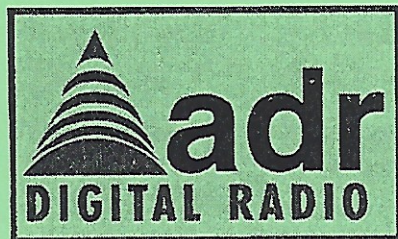
intention to explain all the technical details, that's something for the freaks and not of interest to most FRSGDX readers. Future receivers will contain an ADR unit and the Panda 1 circuit making it possible

To give an answer on a few important questions regarding satellite broadcasts, we go (a little) technical. A satellite transponder can be compared with a multi transmitter. A transponder not only transmits a TV signal but also a handful of audio channels, better known as audio subcarriers. In contrast with a normal TV set on which the audio is always ok (you don't have to do anything, the audio is present), a person watching (or listening to) satellite has always to select the audio. Every transponder distributes one TV channel which is normally "accompanied" by a number of audio subcarriers!! The latter are separate carriers. Because every audio channel is modulated on a separate carrier, it is possible to broadcast on one and the same transponder (apart from the TV pictures) several audio signals at the same time. Ordinarily one (mono) subcarrier is used to produce the TV audio. The remaining ones each having a bandwidth of 180 KHz, are used for other languages (a good example is Eurosport transmitting in German, English, French & Dutch) but mostly for radio stations leasing that particular audio subcarrier from the TV station.

or pay audio. ADR programmes can be divided into 10 categories, to be read on the receiver's display. Also on the display the name of the station and further info



to pick up both analogue and digital signals from space. The ADR unit can handle the digitally modulated subcarriers. Via the receiver's software the listener can decide which audio channel he wants to select. Analogue receivers won't "recogni-



ze" the ADR signal unless the receiver contains a field strength meter. Only then you can see whether an ADR carrier is on air. ADR programme categories are: *classical, pop, golden oldies, rock, jazz, country, regional broadcasts, news and general entertainment.* The ADR receiver is a high tech *state-of-the-art* piece of equipment. ADR channels can be found automatically and are identified because of the station ID. In fact the receiver programmes itself. The listener who likes to *zap* can make his choice out of four possibilities:

- 1) the listener prefers a certain programme format. The receiver will provide a list with stations using that particular format. With the up/down keys on the remote control you can "jump" from one channel/station/transponder to another;
- 2) by means of the *DMX function*, followed by a three-figure channel number corresponding with the list of DMX channels. This possibility is restricted to DMX subscribers only who have a smart card in combination with the list of channels;
- 3) Via the "*Astra Channel*" function. You have to tune the ADR channels *manually* using a detailed and updated frequency list. This is certainly not the most consumer-friendly way but enables the enthusiast to look for new and unknown stations;
- 4) Finally there is the "*Favourite channel*" possibility. A number of stations are stored as separate favourite channel.

Ofcourse there can be little differences between the many manufacturers. Cheap models won't give the possibility of displaying RDS info. It will even be possible (by means of the remote control) to display which title is being played.

Veronica: ADR

Holland's newest commercial station, Ve-

ronica, is currently investigating the possibilities to broadcast in ADR. For the time being three programmes will be aired in ADR via subcarriers on the Veronica Astra TV transponder: Hitradio Veronica, Veronica Newsradio 1395 and a special Newsradio service aimed at local Dutch stations. These ADR signals are not meant for individual reception but for the AM transmitters broadcasting the Veronica programmes. By using an ADR satellite link, the signals can be modulated in better quality. As a result the AM audio quality will improve. In the studio the signals are processed in such way that maximum use is guaranteed of the AM transmitting power.

German ARD and ZDF (both broadcasting organisation) are planning to start digital ARD broadcasts with no less than 16 stations. All five NDR (Norddeutsche Rundfunk) will go ADR making use of the same TV transponder. And BBC Europe will also switch to ADR. There are rumours that all Dutch public stations Radio 1 to 5 will become available in ADR. August 21st saw German station FFH in ADR standard on Astra transponder 33. More commercial stations are expected on this spot. During the IFA in Berlin several stations were broadcasting in ADR via the Astra satellites.

Latest News

The introduction of ADR has been *delayed* because subscribing service DMX has adjusted the encoding software of its channels. In the first months DMX will be concentrating on the German market, the rest of Europe will follow early 1996. It seems a number of manufacturers feel hesitant to produce ADR tuners for the satellite market. In Germany two companies are active as far as ADR is concerned: TechniSat and Kathrein. The supply will be limited to these two manufacturers, at least for the time being. Many manufacturers are waiting until the moment digital televisions will be put on the market in combination with built-in ADR receivers.

ADR Frequencies

What now follows is a list of the different radio stations transmitting in ADR. Only available via Astra 1A-D satellites with special ADR tuners, which will be available in the upcoming months. DMX is pay audio, only receivable with a special smart card!!

ASTRA 1A/B/C/D

19 degrees east

10.964 GHz/H-ZDF

Astra test 1	8.10 MHz
SES test	8.28
Astra tests 2+3	8.46

10.944 GHz/H- TCC/Family Channel

DMX Latin	7.56 MHz
DMX Italian	7.74
DMX Dutch	7.92
DMX Schlagers	8.10
DMX Norwegian	8.28
DMX Danish	8.46

11.052 GHz/H- West 3

WDR Eins Live	6.12 MHz
WDR 2	6.30
WDR 3	6.48
WDR 4	6.66
WDR Radio 5	6.84

11.082 GHz/H-TLC/Discovery

DMX Album Rock	7.56 MHz
DMX Folk Rock	7.74
DMX Live Jazz	7.92
DMX Classic Dixieland	8.10
DMX Big Band Swing	8.28
DMX Classic Jazz	8.46

11.097 GHz/H-Bravo

DMX Sixties Hits	7.74 MHz
DMX Lite Classics	7.92
DMX New Age	8.10
DMX Metropolitan City	8.28
DMX Piano	8.46

11.111 GHz/H-MDR



MDR Life	6.30 MHz
MDR Info	6.48
MDR Kultur	6.66
WDR Sputnik	6.84

11.141 GHz/H-Bayern 3

Bayern 1	6.12 MHz
Bayern 2	6.30
Bayern 3	6.48
Bayern 4 Classic	6.66
Bayern 5 Aktuell	6.84

11.186 GHz/V-Südwest 3

SDR 3	6.12 MHz
SDR 1	6.30
S2 Kultur	6.48
SWF 1	6.66
SWF 3	6.84



11.318 GHz/V-Sky One

DMX Hebrew	7.74 MHz
DMX Greece	7.92
DMX Oriental	8.10
DMX Pop/Rock Hits	8.28
DMX Flamish	8.46

11.377 GHz/V-Sky News

11.097 GHz/H-Bravo

DMX Symphonies	7.74 MHz
DMX Chamber Music	7.92
DMX Opera	8.10
DMX UK Hits	8.28
DMX Dance	8.46

11.436 GHz/V-Sky Movies

DMX Euro Hits	7.74 MHz
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DMX Rap	7.92
DMX Hot Hits	8.10
DMX Alternative Rock	8.28
DMX Heavy Metal	8.46

11.479 GHz/V-The Movie Channel

DMX Adult Contemporary	7.74 MHz
DMX Love Songs	7.92
DMX Urban Adult	8.10
DMX Country	8.28
DMX Singers	8.46

11.494 GHz/V-ARD

ADR Links	6.12 MHz
Deutschland R. Cologne	6.30
HR 3	6.48

HR 4	6.66
HR 2	6.84
HR 1	7.74
Deutschland Radio Berlin	7.92

11.508 GHz/V-Sky Sports

DMX Euro Oldies	7.74 MHz
DMX Instrumentals	7.92
DMX Blues	8.10
DMX Reggae	8.28
DMX French	8.46

In the mean time this situation could have been changed. We'll give you an *update* early 1997.

Joop ter Zee's ALTERNATIVE (fucking) THOUGHTS

Contact E-Mail: ZEESOUNDS@PI.NET

Yep *** Just recovering from our celebration *** Now I'm NOT celebrating anything more, till we're 25 years young *** I guess the PX was a moderate succes ** Contition-wise, that is ** Of course, the programmes were splendid ** ... **Our electronic mailbox is doing ok *** Next time, I'll do my OWN mailbag show *** Zee's E-Bag programme **** No more paper stuff *** Keeps ya from sending those g.o. IRC's... *** Did ya think of DET ?? *** Now, speaking of irc's; did Verbruggen ever followed my suggestion to let the people from the former "East-blok" sent 10 irc's a letter ??? *** To make up ?? ** Anyway; the ZEESOUNDS@PI.NET is doing o.k. ** Since I opened an account (according to PV WE have an account...) I do nothing else than delivering printed SW stuff to Verbruggens door ** The fucking postman always rings twice.. ** A-d a dude *** I (sorry... WE...) had a nice E-mail contact with a dude from the States (Billy's land) *** We're participating in a book he's gonna write on pirate radio *** He asked me whot we did to prevent getting busted *** I can't tell ya here, of course *** You can't imagine whot kind-a creapy dudes read this mag.. ** So our sophisticated de-DTI/RTT/RCD manifest will remain secret *** So if ya encounter a book on pirate radio, which says: "Thanks to Joop ter Zee, Creative Director sr. for his great help"..... you'll know it was only to serve my EGO *** Right - on ** Back to our celibration ** Funny, there were some sidely-connected

folks to the scene *** Don't know if they had a good time, when the freaky stories came up ** But then again, they were only there for the food *** Ha ! ** Now for the sad media news: On the 15th of december Ray Cookes ("Raymond" for naughty nimfo Nena) will do his last **Most Wanted** on MTV ** O.k., enough is enough, we got the message ** You can do an alternative show on a commercial network, with presenters talking to camera-men, do item's like: "viewers in their underwear"... *** Most wanted got Ray sometimes in difficulties with his Boss/colleagues (why do I like this show that much..) ** Like that time he made fun of a spot against the use of cannabis *** There'se this dude who falls on a balcon after a joint ** YES IT CAN HAPPEN TO YOU... *** You don't get eyes in your back ** So, till the 15th: keep an eye on the show ** Great to see something like that can be on TV ** Maybe something for ME to do on the regional TV which is comming up at my region... ** No, they only will have very necessary serious folks who look cross-eyed in the camera telling some children-garden has to close *** That's whot comes closest to the people ** I think this local and regional radio/tv stuff is getting out of hand ** Has their to be a lokal radio on every streetcorner ?? ** Ok ** And remember: In the beginning there was nothing *** Than even THAT exploded ** Doei .

73'S
And all that stuff